

20040112.qrp v03\_n163.qrl.20040112

Date: Mon, 12 Jan 2004 19:03:13 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 3163

QRP-L Digest 3163

Topics covered in this issue include:

- 1) [165059] Re: Handbook-ARC-5 info  
by "Trevor Jacobs" <kg6cyn@softhome.net>
- 2) [165060] Re: SDR-1000  
by <n2go@arrl.net>
- 3) [165061] For sale  
by "=?iso-8859-1?q?Miguel=20Angel=20D.J.?=" <ea1bp@yahoo.es>
- 4) [165062] OT: Need help with Power Supply  
by "Brian Murrey" <brian@iquiest.net>
- 5) [165063] FS: QQ, QRPp and more  
by no1e@comcast.net
- 6) [165064] RE: [fpqrp] OT: Need help with Power Supply  
by "Paul Womble" <pwomble@earthlink.net>
- 7) [165065] Fox Hunt 22 Final Log  
by kd5kxf <kd5kxf@classicnet.net>
- 8) [165066] FOX: AC7A - Jan 13th  
by "Thomas Kuehl" <ac7a@earthlink.net>
- 9) [165067] FS: PSK-20  
by "Juan Ferrari" <puntrad@usa.net>
- 10) [165068] Re: [fpqrp] OT: Need help with Power Supply  
by "Brian Murrey" <brian@iquiest.net>
- 11) [165069] Re: SGC ADSP2 DSP boards  
by Kenneth Cooperstein <cprstn54@att.net>
- 12) [165070] Re: [fpqrp] OT: Need help with Power Supply  
by "M.M." <markem@cox.net>
- 13) [165071] For sale- HW 8- w/ access.  
by Daj73s@aol.com
- 14) [165072] Re: AZ ScQRPians Paddle  
by Tom Mc <thom2@worldnet.att.net>
- 15) [165073] Re: [fpqrp] OT: India (was Need help with Power Supply)  
by "Oldtimer" <res075cz@gte.net>
- 16) [165074] 160m beacon: poor prop.  
by "sslyon" <sslyon@megalink.net>
- 17) [165075] History of "72"  
by "Ronald W. Evans" <cosmos41@ix.netcom.com>
- 18) [165076] Re: Handbook-ARC-5 info  
by James Stamper <jstamper@shentel.net>
- 19) [165077] Re: Handbook-ARC-5 info

- by Lee Mairs <lairs@direcway.com>
- 20) [165078] Red Hot 20  
by "Rich Johnson" <rjohnson390@comcast.net>
- 21) [165079] Re: Computing (was QRP Computers)  
by "Ron McConnell" <rcmcc@earthlink.net>
- 22) [165080] using balloons to raise antennas  
by "pschweit" <pschweit@mninter.net>
- 23) [165081] Re: using balloons to raise antennas  
by John Kalotai <n1olo@yahoo.com>
- 24) [165082] Re: Computing (was QRP Computers)  
by "Kevin M., W8VOS" <adverseyaw@twmi.rr.com>
- 25) [165083] [ FS ] Heathkit HM-102 Watt/SWR Meter  
by Chuck Carpenter <w5usj@9plus.net>
- 26) [165084] Re: History of "72"  
by Chuck Carpenter <w5usj@9plus.net>
- 27) [165085] Re: AZ ScQRPians Paddle  
by Karl Larsen <k5di@zianet.com>
- 28) [165086] Re: Red Hot 20  
by "John J. McDonough" <wb8rcr@arrl.net>
- 29) [165087] Re: Computing (was QRP Computers)  
by "Mike Yetsko" <myetsko@insydesw.com>
- 30) [165088] End fed wire antennas - How to?  
by "John McKee" <JMckee@rfmd.com>
- 31) [165089] Circuit Builders Test Equipment  
by John R Kirby <n3aaz-qrp@juno.com>
- 32) [165090] multiPIG+: #14 out of the drawer!  
by Lloyd Lachow <llachow@yahoo.com>
- 33) [165091] Re: Computing (was QRP Computers)  
by "Leon Heller" <leon\_heller@hotmail.com>
- 34) [165092] Re: [multipigplus] multiPIG+: #14 out of the drawer!  
by John Sielke <jsielke@pobox.com>
- 35) [165093] Re: Several rigs and a tuner  
by "Jeff Imel" <jeffimel@hotmail.com>
- 36) [165094] NAQP Contest  
by Wayne Rogers <w5kdj@juno.com>
- 37) [165095] Single transistor RF amplifier circuit needed (somewhat long)  
by "Jim Sheldon" <w0eb@cox.net>
- 38) [165096] rigs n' stuff for sale  
by Brien Pepperdine <pepperb@gov.on.ca>
- 39) [165097] Re: End fed wire antennas - How to?  
by "Oleg V. Borodin" <master72@lipetsk.ru>
- 40) [165098] Re[2]: History of "72"  
by "Oleg V. Borodin" <master72@lipetsk.ru>
- 41) [165099] !RE: Handbook-ARC-5 info  
by "AI2Q" <ai2q@adelphia.net>
- 42) [165100] RE: using balloons to raise antennas  
by "AI2Q" <ai2q@adelphia.net>
- 43) [165101] Re: Assistance needed for recruiting new hams

- by Luke Stras <stras@ecf.toronto.edu>
- 44) [165102] RE: Single transistor RF amplifier circuit needed (somewhat long)  
by "AI2Q" <ai2q@adelphia.net>
- 45) [165103] RE: Handbook  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 46) [165104] Re: Re[2]: History of "72" [ and 71 also ]  
by Chuck Carpenter <w5usj@9plus.net>
- 47) [165105] Re: Computing (was QRP Computers)  
by Lee Mairs <lmairs@direcway.com>
- 48) [165106] FS: TS940sat  
by paule@sfu.ca
- 49) [165107] Re: Computing (was QRP Computers)  
by Lee Mairs <lmairs@direcway.com>
- 50) [165108] Re: Computing (was QRP Computers)  
by Bruce Muscolino <w6toy@erols.com>
- 51) [165109] Re: Computing (was QRP Computers)  
by Bruce Muscolino <w6toy@erols.com>
- 52) [165110] Re: Re[2]: History of "72" [ and 71 also ]  
by George F Franklin <w0av@juno.com>
- 53) [165111] My 80 Mtr Beacon Reports -- Coming Soon  
by Chuck Carpenter <w5usj@9plus.net>
- 54) [165112] Re: SDR-1000  
by <ah7i@atl.org>
- 55) [165113] Re: Single transistor RF amplifier circuit needed (somewhat long)  
by Steven Weber <kd1jv@moose.ncia.net>
- 56) [165114] Slide rules  
by Steven Weber <kd1jv@moose.ncia.net>
- 57) [165115] Re: Handbook  
by "Russ Hines" <wb8zcc@fuse.net>
- 58) [165116] RE: using balloons to raise antennas  
by "Mark Rauchfuss" <mark.rauchfuss@worldnet.att.net>
- 59) [165117] Re: Computing (was QRP Computers)  
by Bruce Muscolino <w6toy@erols.com>
- 60) [165118] Mac problems ordering AD9850BRS samples for NJQRP DDS daughtercard  
by Michael Babineau <michael.babineau@sympatico.ca>
- 61) [165119] RE: using balloons to raise antennas  
by John Kalotai <n1olo@yahoo.com>
- 62) [165120] Re: Computing (was QRP Computers)  
by w9ya <w9ya@arrl.net>
- 63) [165121] [ Sold ] Heathkit HM-102 Watt/SWR Meter  
by Chuck Carpenter <w5usj@9plus.net>
- 64) [165122] Re: History of "72" [ and 71 also ]  
by w9ya <w9ya@arrl.net>
- 65) [165123] Re: Slide rules  
by Lee Mairs <lmairs@direcway.com>
- 66) [165124] Tuner Sold  
by "Jeff Imel" <jeffimel@hotmail.com>

- 67) [165125] Re: Slide rules  
by w9ya <w9ya@arrl.net>
- 68) [165126] Re: Computing (was QRP Computers)  
by Bruce Muscolino <w6toy@erols.com>
- 69) [165127] Re: Slide rules  
by "Michael Melland, W9WIS" <w9wis@charter.net>
- 70) [165128] Wanted: unbuilt RH-20  
by "Joseph Trombino Jr" <w2kj@bellsouth.net>
- 71) [165129] Re: Red Hot 20  
by Curt Milton <wb8yyy@yahoo.com>
- 72) [165130] Re: using balloons to raise antennas  
by "Mike Boatright" <ko4wx@mindspring.com>
- 73) [165131] RE: SDR-1000  
by Adam Farson <farson@shaw.ca>
- 74) [165132] Re: Handbook  
by Bruce Muscolino <w6toy@erols.com>
- 75) [165133] RE: using balloons to raise antennas  
by Lloyd Lachow <llachow@yahoo.com>
- 76) [165134] Interesting company...  
by Ed Tanton <n4xy@earthlink.net>
- 77) [165135] Re: Diode specs? (1SS98)  
by Chris Cartwright <ccart@phideaux.com>
- 78) [165136] Interesting company... P.S.  
by Ed Tanton <n4xy@earthlink.net>
- 79) [165137] RE: [NoGaQRP] Interesting company...  
by "Mike Boatright" <ko4wx@mindspring.com>
- 80) [165138] Re: Computing (was QRP Computers)  
by "Tim, N9PUZ" <n9puz@arrl.net>
- 81) [165139] RE: using balloons to raise antennas  
by "Paul Ermisch" <paul@ermisch.com>
- 82) [165140] Re: [ham] Interesting company...  
by KD5NWA <KD5NWA@cbayona.com>
- 83) [165141] RE: Slide rules  
by "AI2Q" <ai2q@adelphia.net>
- 84) [165142] Re: Computing (was QRP Computers)  
by Steven Weber <kd1jv@moose.ncia.net>
- 85) [165143] Re: End fed wire antennas - How to?  
by Bruce Muscolino <w6toy@erols.com>
- 86) [165144] FYBO Date & Rules?  
by William McFadden <wmcfadde@cs.ohiou.edu>
- 87) [165145] RE: SDR-1000  
by <ah7i@atl.org>
- 88) [165146] Re: Slide rules  
by "Cal Cotner" <cal.jsi@verizon.net>
- 89) [165147] Re: Computing (was QRP Computers)  
by w9ya <w9ya@arrl.net>
- 90) [165148] 160m Beacon  
by "sslyon" <sslyon@megalink.net>

- 91) [165149] Balloons, kites, antennas, ...  
by "sslyon" <sslyon@megalink.net>
- 92) [165150] Interesting company...  
by "Brad Hedges" <bhedges@nc.rr.com>
- 93) [165151] Re: Computing (was QRP Computers)  
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 94) [165152] Re: Computing (was QRP Computers)  
by "M.M." <markem@cox.net>

-----  
Date: Sun, 11 Jan 2004 16:09:33 -0800  
From: "Trevor Jacobs" <kg6cyn@softhome.net>  
To: john@KN5L.net,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [165059] Re: Handbook-ARC-5 info  
Message-ID: <007801c3d8a0\$5c67f670\$38fea8c0@TREVORMAINPC>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey Gang,

Thought I'd mention one book that you might want to pick up if you see it at a swap meet. It was published in 1964 by the CQ magazine. It's title is "Surplus Conversion Handbook" and covers many of the WWII rigs including the AN/ARC-5 series of rigs. I've played with the ARC-5 rigs and they are pretty neat little rigs. The last one that was given to me was still sealed in the box. It had the original tubes and was completely mint as it was the day it left the factory. I didn't have the heart to modify it, heck, even the green felt on the tuning eye door was fresh and the mirror was still highly polished! I think that it would have fired right up on a dyna-motor! I ended up donating it to the Confederate Air Force where it now lives. These little rigs had a neat history. I may look for another beat up one that I don't feel bad "restoring" ;-)

73's Trev - KG6CYN  
<http://www.qsl.net/kg6cyn>  
----- Original Message -----  
From: "John Oppenheimer" <john@KN5L.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Sunday, January 11, 2004 1:51 PM  
Subject: Re: Handbook

> Just received mine, along with a new Antenna (with CD) book this last  
> Friday from ARRL direct.

>  
> I get a new one every five, or so, years. First one is a 1964 (I think)  
> given to me by Towne, W1QLT, my first elmer. Each one has project, that  
> I will never build, that makes the book special.  
>  
> There was much talk about using an ARC-5 this past SKN, and that first  
> Handbook has the ARC-5 power supply and crystal conversion project. Even  
> more special, I still have the power supply that W1QLT started me on  
> with a few of the major parts (transformer). I'm not sure if I every had  
> a QSO using an ARC-5, I still have an old 80 meter unit. Maybe the next  
> SKN I will bring it back to life.  
>  
> John  
>  
> Rich Johnson wrote:  
> >  
> > My newest handbook is 2001 and i was thinking of buying the 2004.  
> > How often do people think buying the latest handbook is worth it?  
> >  
> > cheers,  
> > rich  
>

-----  
Date: Sun, 11 Jan 2004 19:12:40 -0500 (EST)  
From: <n2go@arrl.net>  
To: "Tim, N9PUZ" <n9puz@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165060] Re: SDR-1000  
Message-ID: <Pine.LNX.4.33.0401111857001.9910-100000@valhalla.v>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi,  
I just got the receiver section going. I got the boards before christmas  
and finally took them out of their packages :)  
I used a turtle beach Santa Cruz audio card with a p3 1G with 1M ram "ham  
computer". I wish that I had more than a 6 foot high antenna.  
I would like to put it on 40 meters.  
The weather here is not very nice :( and may not be nice for a while.

Now I have to think about a suitable case. The stack of boards are sitting  
on top of a pull  
out drawer/ writing arm on my desk. It is balanced by wires hanging off of  
both sides.

So far, the receiver is really neat. I especially like the variable high and low freq filter and display of the signals.

BTW I used a noiseless Zalman power supply in the pc and a variable speed fan on the cpu. The heatsink is a big honker. A seagate barracuda drive also makes for a noiseless setup. Noiseless until I started listening on 80 meters....

73,

Jim n2go

-----  
Date: Mon, 12 Jan 2004 01:19:57 +0100 (CET)  
From: "=?iso-8859-1?q?Miguel=20Angel=20D.J.?" <ea1bp@yahoo.es>  
To: qrp-1@Lehigh.EDU  
Subject: [165061] For sale  
Message-ID: <20040112001957.12716.qmail@web20021.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Hello,  
I have for sale a J-37 morse key + the bracket.

<http://www.qsl.net/ea1rx/ventas/j37v-4.jpg>

I would like to swap it for any QRP stuff, or for sale.

Its a very nice piece of morse history to keep. also  
its a good fun when you are out with your QRP  
transceiver and you dont have a table to put your key.  
You can use the bracket for other keys if you want.

Im interested in a MFJ-16010 antenna tuner. Would you  
like to swap it??? This tunner is about 40\$ so I think  
it would be a fair swap.

Thanks,

Miguel

ea1bp@yahoo.es

The very best wishes for all in this new year.

72

-----  
Yahoo! Messenger - Nueva versi n GRATIS  
Super Webcam, voz, caritas animadas, y m s...  
<http://messenger.yahoo.es>  
-----

Date: Sun, 11 Jan 2004 19:36:41 -0500  
From: "Brian Murrey" <brian@iquest.net>  
To: "QRP-L" <qrp-l@lehigh.edu>, "Flying Pigs" <fpqrp-l@fpqrp.com>  
Subject: [165062] OT: Need help with Power Supply  
Message-ID: <001701c3d8a4\$26945f80\$02fea8c0@bjmw2k>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Someone gave me a Dell wireless base station.

It's an Intel Model 1170, Wireless Base Station.

On the Bottom it says Model WLGW2011

Intel makes it, Dell sells it...and it didn't come with the wall awrt  
power supply, the guy I got it from lost it.

Does anyone know what the power requirements for this thing might be?

=====  
Agnus dei, qui tollis pecatta mundi, dona nobis Pacem.  
=====

KB9BVN/QRP QRP-L 1540 QRP-ARCI 10223  
39.558 N 86.095 W Johnson Co., Indiana  
GRID: EM69WN - Elecraft K1 - Attic Dipole - 5w  
Member of the ARRL - SOC #400  
FISTS 5695 CC 764 FPQRP #-57  
=====

-----  
Date: Mon, 12 Jan 2004 00:42:35 +0000



From: no1e@comcast.net  
To: qrp-1@lehigh.edu  
Subject: [165063] FS: QQ, QRPp and more  
Message-ID: <011220040042.6942.3f4f@comcast.net>

The following publications are for sale.  
It's a great time to fill in those missing years  
or collect some vintage publications.

Frank - N01E

Here is the list of publications:

1. QRP Quarterly  
1990, 1991, 1992, 1993, 1994, 1995, 1996,  
1997, 1998, 1999, 2000, 2001, 2002  
  
All in very good to excellent condition  
  
\$15 / year plus shipping
2. QRPp - Journal of the No. California QRP Club  
1994, 1995, 1996, 1997, 1998, 1999  
2000, 2001  
  
Excellent condition  
  
\$10 / year plus shipping
3. The ARRL Antenna Compendium (+ shipping)  
Volumes 1 \$7  
Volumes 2 \$8  
Volumes 3 \$9  
Volumes 4 \$12
4. ARRL Antenna Handbook - copyright 1964  
All About Cubical Quads (2nd edition 1971) by William I. Orr  
  
\$8 + shipping
5. HF Antennas for All Locations (1986) by L.A. Moxon G6XN  
Low Band DXing (1987) by John Devoldere  
  
\$20 + shipping
6. ARRL Handbooks  
1965

1972

1974

1981

1985

All in good to very good condition

Best Offer + shipping

7. ARRL - A Course in Radio Fundamentals by George Grammer - copyright 1960

ARRL - Understanding Amateur Radio by George Grammer - copyright 1964

ARRL - The Radio Amateur's VHF Manual by Edward Tilton - copyright 1972

ARRL - FM and Repeaters for the Radio Amateur by ARRL Hqtrs

Staff - copyright 1972

Good to very good condition

\$15.00 + shipping

-----  
Date: Sun, 11 Jan 2004 19:42:14 -0500

From: "Paul Womble" <pwomble@earthlink.net>

To: "'QRP-L'" <qrp-l@lehigh.edu>, "'Flying Pigs'" <fpqrp-l@fpqrp.com>

Subject: [165064] RE: [fpqrp] OT: Need help with Power Supply

Message-ID: <00c201c3d8a4\$ec5d4ec0\$6401a8c0@house>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="us-ascii"

Content-Transfer-Encoding: 7bit

DELL

TrueMobile 1170 Wireless Access Point

Power: 20 W

Power Consumption Operational: 20 W

Voltage Required: 100 to 240 VAC (50-60 Hz), Current - 0.2 Amp

See:

<http://accessories.us.dell.com/sna/ProductDetail.aspx?TabPage=techspecs&sku=430-0283&c=us&l=en&cs=19&page=external>

Paul K4FB

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Date: Sun, 11 Jan 2004 19:15:25 -0600  
From: kd5kxf <kd5kxf@classicnet.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165065] Fox Hunt 22 Final Log  
Message-ID: <200401111915.25127.kd5kxf@classicnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Thanks for all the corrections and especially thanks to Tom N1TP for taking my chicken scratch to email log and making it into a real log. I really enjoyed my turn in the barrel and it gave me the incentive to get back on the air and get my fist back to where it needs to be, so hopefully you guys wont have to listen to so much dididididi and resend your call wrong again dididididid hope I got it right this time!

0200	N4ROA	559	VA	DAN	5W
0201	K0EVZ	559	NM	DOC	5W
0203	N9NE	559	WI	TODD	5W
0204	K3PH	559	PA	BOB	3W
0205	N9KW	559	IL	JOHN	5W
0206	N4DD	559	TN	DENNIS	5W
0207	W9XU	559	WI	LON	5W
0208	N3BJ	559	VA	ALAN	5W
0210	KB9YIG	559	IN	TONY	2W
0213	K8CV	559	MI	WALT	5W
0216	KV2X	559	NY	TOM	5W
0217	K6VNX	559	CA	ARLEN	5W
0225	W8YRB	559	MI	BOB	5W
0229	W9XT	559	WI	GARY	5W
0230	N9AW	559	WI	JERRY	5W
0233	WA8BXN	559	OH	MIKE	5W
0237	K4BYF	559	FL	JACK	5W
0240	N1TP	559	FL	TOM	5W
0242	W4YN	559	NC	TIM	5W
0244	W9HL	599	IL	RANDY	5W
0245	KW4JS	559	TN	JOHN	5W
0247	K8MIA	559	WV	JIM	5W
0248	K0LOA	559	TX	DWAIN	5W
0251	AF4LQ	559	KY	MIKE	4W
0255	K9IS	559	WI	STEVE	5W
0300	K5JHP	599	TX	BILL	5W
0301	W5YR	599	TX	GEORGE	5W
0305	WA9TZE	559	WI	JIM	5W

0306	AG0T	559	ND	TODD	5W
0306	K0UU	559	MN	Jeff	5W
0309	W0ANM	559	MN	Chris	5W
0311	K4TJD	559	GA	TOM	5W
0315	KR0U	579	CO	TIM	5W
0318	K8KFJ	559	WV	GARY	5W
0320	K6XR	559	CA	REGGIE	5W
0326	K9TJL	559	IL	TJ	5W
0328	KG0PP	559	CO	JIM	5W
0331	NK6A	559	CA	DON	5W
0332	K5SR	559	TX	DOUG	5W
0335	NK9G	559	WI	Rick	5W
0336	W7ILW	559	AZ	WALT	5W
0338	K2PQ	559	NJ	FRANK	5W
0340	AB9CA	559	AL	DAVE	5W
0346	NV4V	559	KY	PETE	5W
0348	KI0II	559	CO	RON	5W
0348	AJ4AY	559	AL	JAY	5W
0350	KC1FB	559	CT	JIM	5W
0351	N0AR	559	MN	RON	5W
0353	W0TU	559	MO	GEORGE	5W
0354	W0IS	559	MN	RICH	5W
0355	W0MPR	559	CO	GREG	5W
0358	KQ9L	559	IL	RICH	5W
0400	W0UFO	xxx	WI	FOX	5W
0400	KD5KXF	xxx	TX	FOX	5W

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Mike Malone  
 KD5KXF  
 Balch Springs, Texas  
 FP 214

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Date: Sun, 11 Jan 2004 18:21:15 -0700  
 From: "Thomas Kuehl" <ac7a@earthlink.net>  
 To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
 Subject: [165066] FOX: AC7A - Jan 13th  
 Message-ID: <001301c3d8aa\$60042470\$120110ac@texas6oef4glwm>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
           charset="iso-8859-1"  
 Content-Transfer-Encoding: 7bit

Howdy,

This coming Tuesday, January 13th, I will be one of the 2 FOXes operating that evening. My plan is to be to the high side of 7.040 MHz by a few kilohertz, and initially listening up 1 to 2 kHz as well. When things thin out, sometime in the second hour, I'll answer stations on my calling frequency.

Now that is my plan, but it could change. During last week's hunt a nasty, local noise source completely obliterated about 20 kHz of 40 meters. Unfortunately, it was centered about 7.036 MHz, and made it impossible for me to reliably copy either Fox. The noise was about 20dB over S9 in strength, with a circulating sound that would run for about a minute, and then cease for about 3 seconds. I could hear W0UFO just fine during the 3 seconds, but I would have been able to hear him the rest of the time. Just after 04:00 UTC the noise vanished. It has not reappeared since then.

Should the noise reappear, I will have to move up the band 5 to 10 kHz. This is quite a bit higher in frequency than usual, but then all of you should be in the clear. Hopefully, the noise will never reappear and it will be business as usual.

Thanks for your understanding. I hope to provide plenty of pelts to all you baying hounds!

Best Regards, Thomas - AC7A (Tucson)

-----  
Date: Mon, 12 Jan 2004 01:20:01 -0000  
From: "Juan Ferrari" <puntrad@usa.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,  
"Piggies-L" <fpqrp-1@mpna.com>  
Subject: [165067] FS: PSK-20  
Message-ID: <008701c3d8aa\$343da140\$ab564b43@puntana.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang.

I have for sale my PSK-20. This little rig works perfect and is in the SW enclosure.

I need to sale it as I am trying to get the money for a multiband rig. I will include the DB9 to DB9 cable.

Asking \$120.00 plus shipping from 33063.

My plan is to put it on e-bay if I can't sell it to one of you in the next week.

If interested, please contact me off list.

72

Juan - KG4FSN

-----  
Date: Sun, 11 Jan 2004 20:31:24 -0500  
From: "Brian Murrey" <brian@iquest.net>  
To: "Paul Womble" <pwomble@earthlink.net>,  
      "'QRP-L'" <qrp-l@lehigh.edu>, "'Flying Pigs'" <fpqrp-l@fpqrp.com>  
Subject: [165068] Re: [fpqrp] OT: Need help with Power Supply  
Message-ID: <001101c3d8ab\$cb2606a0\$02fea8c0@bjmw2k>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks for the pointer Paul....after almost an hour on the phone with Dell Tech Support...I still don't have an answer. My Hindi isn't good either so we really didn't get to communicate that well. I wonder where those energetic english speaking youngsters are, you know, the ones we always see in the Dell support commercials.

I'll see if I can rattle someones cage at Intel tomorrow.

----- Original Message -----

From: "Paul Womble" <pwomble@earthlink.net>  
To: "'QRP-L'" <qrp-l@lehigh.EDU>; "'Flying Pigs'" <fpqrp-l@fpqrp.com>  
Sent: Sunday, January 11, 2004 7:42 PM  
Subject: RE: [fpqrp] OT: Need help with Power Supply

> DELL  
> TrueMobile 1170 Wireless Access Point  
>  
> Power: 20 W  
> Power Consumption Operational: 20 W  
> Voltage Required: 100 to 240 VAC (50-60 Hz), Current - 0.2 Amp  
>  
>  
> See:  
>  
>  
> <http://accessories.us.dell.com/sna/ProductDetail.aspx?TabPage=techspecs&sku=430-0283&c=us&l=en&cs=19&page=external>  
>  
>

>  
> Paul K4FB  
>  
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe  
fpqrp-l -  
>  
>

-----  
Date: Sun, 11 Jan 2004 20:37:02 -0500  
From: Kenneth Cooperstein <cprstn54@att.net>  
To: qrp-l@Lehigh.EDU  
Subject: [165069] Re: SGC ADSP2 DSP boards  
Message-ID: <4001FA3E.4020708@att.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1; format=flowed  
Content-transfer-encoding: 7BIT

I got my hands on one of these boards. Although there is probably a sufficient difference in sound quality often to make a good guess where you are, this is not always the case -- especially when the sound filtering has made the output quiet.

The trick, I think, is to install an on-off switch, even one that is momentary off. When power to the board is cut, both switches reset to bypass. Then you can start counting again.

Ken KC2JDY

-----  
Date: Sun, 11 Jan 2004 18:43:57 -0700  
From: "M.M." <markem@cox.net>  
To: qrp-l@Lehigh.EDU  
Subject: [165070] Re: [fpqrp] OT: Need help with Power Supply  
Message-ID: <6.0.0.22.0.20040111184118.02680b18@127.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 18:31 01/11/04, Brian Murrey wrote:  
>....after almost an hour on the phone with

>Dell Tech Support ... I wonder where  
>those energetic english speaking youngsters are...

They're unemployed because their jobs were out-sourced to India...like  
several others of us...

Mark      AA7TA

-----  
Date: Sun, 11 Jan 2004 21:17:23 -0500  
From: Daj73s@aol.com  
To: qrp-1@lehigh.edu  
Subject: [165071] For sale- HW 8- w/ access.  
Message-ID: <6F76E409.2A090AF6.00046578@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Hello Gang,

I have for sale a HW-8 with a matching HWA-7-1  
power supply and a SW-B-2 wattmeter/swr meter...  
everything is in very good working condition and Iam asking  
125.00 for all or best offer..  
My e-mail has changed it is now daj73s @adelphia.net  
please contact me at this new address...

Tnx Dave AA2PF

-----  
Date: Sun, 11 Jan 2004 21:46:44 -0500  
From: Tom Mc <thom2@worldnet.att.net>  
To: paul@prohomeinspector.net,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [165072] Re: AZ ScQRPians Paddle  
Message-ID: <007b01c3d8b6\$52341ba0\$b34ab818@x2f6a2>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Hi Paul,

I ordered mine in the beginning of December and so far my check hasn't  
been cashed. I'm sure this is a big project with a lot of orders, so I  
guess its a matter of "all good things come to those who wait"

Tom McCulloch



WB2QDG

-----Original Message-----

From: Paul J Mackanos, Jr. <paul@prohomeinspector.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Sunday, January 11, 2004 4:26 PM  
Subject: AZ ScQRPians Paddle

I ordered my paddle kit, anyone know how long the lead time is in receiving it ?

72 Tnx, Paul K2DB

-----  
Date: Sun, 11 Jan 2004 20:47:34 -0600  
From: "Oldtimer" <res075cz@gte.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165073] Re: [fpqrp] OT: India (was Need help with Power Supply)  
Message-ID: <00de01c3d8b6\$707f1510\$6400a8c0@k5rov>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I spent two hours on the phone yesterday with Microsoft trying to get an MS wireless device working. The young ladies (there were two) seemed to be very knowledgeable but their accent was so strong that I just could not understand them. We all got very tired of my frequent requests for many, many repeats.

Finally I had to ask if there was someone else who I could understand a little bit easier. I tried to be as polite as possible but I am afraid I might have hurt some feelings, and I sure didn't mean to.

That was when I found out they are in India. Why India? I am sure they are the nicest people, but understanding them can be very difficult when using technical terms. It got so difficult for me that I finally gave up and returned the equipment to the store.

Are we out of people in this country (USA) who can help us?

73 de Jim, K5ROV

Ham for over 60 years, 80 % CW, 10 % digital, 10 % SSB  
K5ROV@arrl.net. ARMS, ARRL, Ex: W1RLA, K5FBB, K4FE0,

SV0WN (Crete), SV0WN (Rhodes), DL4NC, DL4JP, KA2FC (Japan) ,  
KA2JP (Japan).  
John 3-16

----- Original Message -----

From: "M.M." <markem@cox.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Sunday, January 11, 2004 7:43 PM  
Subject: Re: [fpqrp] OT: Need help with Power Supply

> At 18:31 01/11/04, Brian Murrey wrote:  
> >....after almost an hour on the phone with  
> >Dell Tech Support ... I wonder where  
> >those energetic english speaking youngsters are...  
>  
> They're unemployed because their jobs were out-sourced to India...like  
> several others of us...  
>  
> Mark       AA7TA  
>  
>  
>

-----  
Date: Sun, 11 Jan 2004 21:54:25 -0500  
From: "sslyon" <sslyon@megalink.net>  
To: "qrp list" <qrp-1@lehigh.edu>  
Subject: [165074] 160m beacon: poor prop.  
Message-ID: <000701c3d8b7\$63d31ae0\$13c8e742@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Looks like the propagation isn't with us tonite, folks. I'll  
play this hand and let it run 'til 0400Z or so tonite. (I burn  
wood for heat and that'll be time for a re-load).

We'll keep trying for a while until we get some idea as to the  
variability in condx. Thanks much for the reports -even the "no  
joy" ones are useful, esp. when condx improve and you start  
hearing it.

73

Seab  
aa1my

Seabury & Sharon Lyon  
99 Sparrowhawk Mtn Rd  
Bethel ME, 04217 U.S.A.  
207-836-2576

Virus Protection by Norton and ZoneAlarm

-----  
Date: Sun, 11 Jan 2004 20:55:55 -0600  
From: "Ronald W. Evans" <cosmos41@ix.netcom.com>  
To: Flying Pigs QRP <fpqrp@mpna.com>,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165075] History of "72"  
Message-ID: <40020CBB.8070404@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Anyone know how or when "72" came into being as the QRP offshoot of the more usual "73" for "Best Regards"?

Wondering in Fort Worth,

Ron - K5MVR

\*\*\*\*\* Ron Evans \*\*\*\*\*  
K5MVR (ex-KD5S) - Loving the "glow" since 1957  
Fort Worth, TX "Where the West Begins"  
mailto:cosmos41@ix.netcom.com  
<http://www.geocities.com/sweetvengeance>  
ARRL, 4SQRP, ARS #1595, FP #694  
<http://www.arsqrp.com>  
\*\*\*\*\*

-----  
Date: Sun, 11 Jan 2004 22:39:29 -0500  
From: James Stamper <jstamper@shentel.net>  
To: kg6cyn@softhome.net,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165076] Re: Handbook-ARC-5 info  
Message-ID: <5.2.1.1.2.20040111222448.00b4de60@pop.shentel.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

There may be other, earlier, editions of CQ's Surplus Conversion Handbook. I used the instructions in an edition in 1956 to put the ARC-5 which was my first novice rig on 80 meters. I installed the VR tube it suggested for the oscillator plate voltage but it still chirped quite a lot. If you heard it keyed today you would think it was PSK31.

My ARC-5 was cathode keyed and, as QST recently pointed out, there is high voltage on the key with cathode keying. The DC didn't "shock" you. The first clue your finger was in the wrong place was when you smelled the tip of your pinkie burning. My shack was in the basement and the floor was a great ground. If the S-38 was plugged in wrong you got a shock from the house wiring as you tuned. It is a wonder any of us lived through those good ole days.

QSK was when you only had to throw three switches to go from transmit to receive.

jim-  
KG4LDY

At 04:09 PM 1/11/2004 -0800, Trevor Jacobs wrote:

>Hey Gang,

>

>Thought I'd mention one book that you might want to pick up if you see it at  
>a swap meet. It was published in 1964 by the CQ magazine. It's title is  
>"Surplus Conversion Handbook" and covers many of the WWII rigs including the  
>AN/ARC-5 series of rigs. I've played with the ARC-5 rigs and they are pretty  
>neat little rigs. The last one that was given to me was still sealed in the  
>box. It had the original tubes and was completely mint as it was the day it  
>left the factory. I didn't have the heart to modify it, heck, even the green  
>felt on the tuning eye door was fresh and the mirror was still highly  
>polished! I think that it would have fired right up on a dyna-motor! I ended  
>up donating it to the Confederate Air Force where it now lives. These little  
>rigs had a neat history. I may look for another beat up one that I don't  
>feel bad "restoring" ;-)

>  
>73's Trev - KG6CYN  
><http://www.qsl.net/kg6cyn>  
>----- Original Message -----  
>From: "John Oppenheimer" <john@KN5L.net>  
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
>Sent: Sunday, January 11, 2004 1:51 PM  
>Subject: Re: Handbook  
>  
>  
> > Just received mine, along with a new Antenna (with CD) book this last  
> > Friday from ARRL direct.  
> >  
> > I get a new one every five, or so, years. First one is a 1964 (I think)  
> > given to me by Towne, W1QLT, my first elmer. Each one has project, that  
> > I will never build, that makes the book special.  
> >  
> > There was much talk about using an ARC-5 this past SKN, and that first  
> > Handbook has the ARC-5 power supply and crystal conversion project. Even  
> > more special, I still have the power supply that W1QLT started me on  
> > with a few of the major parts (transformer). I'm not sure if I every had  
> > a QSO using an ARC-5, I still have an old 80 meter unit. Maybe the next  
> > SKN I will bring it back to life.  
> >  
> > John  
> >  
> > Rich Johnson wrote:  
> > >  
> > > My newest handbook is 2001 and i was thinking of buying the 2004.  
> > > How often do people think buying the latest handbook is worth it?  
> > >  
> > > cheers,  
> > > rich  
> >

-----  
Date: Sun, 11 Jan 2004 23:33:06 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: jstamper@shentel.net,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165077] Re: Handbook-ARC-5 info  
Message-ID: <000c01c3d8c5\$2f9f93d0\$0300a8c0@boomer>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

CQ's Surplus Conversion Handbook was a great book. I wish I knew where my dog-eared copy was. I didn't see it when I moved so it was probably a victim of my ex-wife's compulsive cleaning disorder!

73 de Lee

KM4YY/8

----- Original Message -----

From: "James Stamper" <jstamper@shentel.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, January 11, 2004 10:39 PM

Subject: Re: Handbook-ARC-5 info

> There may be other, earlier, editions of CQ's Surplus Conversion  
> Handbook. I used the instructions  
> in an edition in 1956 to put the ARC-5 which was my first novice rig on 80  
> meters. I installed the  
> VR tube it suggested for the oscillator plate voltage but it still chirped  
> quite a lot. If you heard it  
> keyed today you would think it was PSK31.

>

> My ARC-5 was cathode keyed and, as QST recently pointed out, there is high  
> voltage on the key  
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> was when you smelled the tip of your pinkie burning. My shack was in the  
> basement and the floor  
> was a great ground. If the S-38 was plugged in wrong you got a shock from  
> the house wiring as you  
> tuned. It is a wonder any of us lived through those good ole days.

>

> QSK was when you only had to throw three switches to go from transmit to  
> receive.

>

> jim-

> KG4LDY

>

>

>

>

> At 04:09 PM 1/11/2004 -0800, Trevor Jacobs wrote:

> >Hey Gang,

> >

> >Thought I'd mention one book that you might want to pick up if you see it  
at

> >a swap meet. It was published in 1964 by the CQ magazine. It's title is

> >"Surplus Conversion Handbook" and covers many of the WWII rigs including  
the

> >AN/ARC-5 series of rigs. I've played with the ARC-5 rigs and they are pretty  
> >neat little rigs. The last one that was given to me was still sealed in the  
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> >up donating it to the Confederate Air Force where it now lives. These little  
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> >feel bad "restoring" ;-)  
> >  
> >73's Trev - KG6CYN  
> ><http://www.qsl.net/kg6cyn>  
> >----- Original Message -----  
> >From: "John Oppenheimer" <john@KN5L.net>  
> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> >Sent: Sunday, January 11, 2004 1:51 PM  
> >Subject: Re: Handbook  
> >  
> >  
> > > Just received mine, along with a new Antenna (with CD) book this last  
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> > >  
> > > I get a new one every five, or so, years. First one is a 1964 (I think)  
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> > >  
> > > There was much talk about using an ARC-5 this past SKN, and that first  
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> > > with a few of the major parts (transformer). I'm not sure if I every had  
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> > > SKN I will bring it back to life.  
> > >  
> > > John  
> > >  
> > > Rich Johnson wrote:  
> > > >

> > > > My newest handbook is 2001 and i was thinking of buying the 2004.  
> > > > How often do people think buying the latest handbook is worth it?  
> > > >  
> > > > cheers,  
> > > > rich  
> > >  
>

-----  
Date: Sun, 11 Jan 2004 20:56:17 -0800  
From: "Rich Johnson" <rjohnson390@comcast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [165078] Red Hot 20  
Message-ID: <001a01c3d8c8\$69bf9d50\$7b48e40c@END0EB86CD98A1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have been studying the Red Hot NorCal 20 radio and in particular the receiver RF and specifically from U3 the ring diode mixer to U4 the '602 product detector and it look ingenious.

I have considered how to improve it but considering its simplicity it may be an optimal design. That is performance per buck per common component.

Any of you with the rig or have studied it can you tell me what you think?

cheers,  
rich

-----  
Date: Mon, 12 Jan 2004 00:16:51 -0500  
From: "Ron McConnell" <rcmcc@earthlink.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Cc: "W2IOL" <w2iol@arrl.net>, <w0ufo@arrl.net>  
Subject: [165079] Re: Computing (was QRP Computers)  
Message-ID: <001401c3d8cb\$4a035940\$fc582245@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable



Slide rules rule.

(Sorry, couldn't resist that.)

On any given day there are a few hundred slide rules up for auction on ebay.

The International Slide Rule Group's (ISRG) email list has a couple of dozen posts a day.

<http://groups.yahoo.com/group/sliderule/>

The ISRG has had two circular Concise slide rules manufactured in the last couple of years in Japan. It happens that Koh-i-Noor still has a slide rule manufacturing plant in India. The group has started discussion of what might be a "dream" engineering straight slide rule to have manufactured with the best scales and features of American, German, French top line slide rules.

There are several slide rule dealers online.

A good one to start is Walter Shawlee's Slide Rule Universe

<http://www.sphere.bc.ca/test/sruniverse.html>

Links to others can be found there and at the ISRG page.

Mert WOUFO says,

"...saw them in a drawer just the other day=20 along with a circular flight calculator..."

What do you have, Mert? I get first dibs. :)

BTW, circular flight computer slide rules are still made in the USA and can be purchased at about any small airstrip where flying lessons=20 are taught. Run about \$15.

I carry and use a Pickett N600-T (6" straight),=20 Concise 300 (3" circular) and sometimes an HP-32SII calculator. The other day a dealer was calculating the area and price for a carpet we were considering. I beat him. He was fascinated. We ended up buying from him, he did a great job my xyl was very happy, and I gave him a basic 6 inch slide rule.

I've worked with computers of one sort or another  
starting with slide rules and vacuum tube analog computers  
for over 40 years. I learned my integral calculus  
on a pair of Pace 230 analog computers.

Cheers, 73,

Ron McConnell

w2iol@arrl.net

N 40=BA 46' 57.9" W 74=BA 41' 21.9"  
FN20ps77GU46 [FN20ps77GV75]

<http://home.earthlink.net/~rcmcc>

-----  
Date: Sun, 11 Jan 2004 23:24:25 -0600  
From: "pschweit" <pschweit@mninter.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [165080] using balloons to raise antennas  
Message-ID: <001601c3d8cc\$58ef1f60\$02e6add1@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

has anyone out there used a helium balloon to raise antenna elements .

what sort of balloons and antennas were used?

and

what were the weather conditions?

de K0CD  
rob

-----  
Date: Sun, 11 Jan 2004 23:27:09 -0800 (PST)  
From: John Kalotai <n1olo@yahoo.com>  
To: pschweit@mninter.net,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165081] Re: using balloons to raise antennas  
Message-ID: <20040112072709.82058.qmail@web80012.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I have used balloons to raise antennas, usually end fed wire.

I got ahold of some surplus weather balloons and with the help of my local welding company I was able to launch it.

I use the same Stafix twine I use for my kite antenna. Its strong enough to tear the balloon and has 6 - 9 strands of stainless steel wire woven through it.

<http://fence-electric.com/ShopItemIG.php?item=Twine#R2W>

The same cautions apply to balloons as they do kites. DO NOT fly near power lines. Beware of approaching weather. Make sure you have a 1meg resistor from the antenna to ground to bleed static off.

Generally for a balloon to be effective as an antenna support the weather needs to be calm. If you have more than a 5 -7 mph wind the angle of the antenna will fall away from vertical and your antenna wire may wind up dragging on the ground.

There are balloons specifically designed to be antenna supports. They have an airfoil design to help them be more stable in the wind. I believe there was an article in 73 a few years back.

73

John N10LO

--- pschweit <pschweit@mninter.net> wrote:  
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> elements .  
>  
> what sort of balloons and antennas were used?  
>  
> and  
>  
> what were the weather conditions?  
>  
> de K0CD  
> rob  
>

-----  
Date: Mon, 12 Jan 2004 02:34:32 -0500  
From: "Kevin M., W8VOS" <adverseyaw@twmi.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [165082] Re: Computing (was QRP Computers)  
Message-ID: <000d01c3d8de\$853fb4f0\$66dc0a0a@magnus>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

I have been following this thread with some interest. Unfortunately when the first calculators came out in the 1970's, my Aunt (always one to be the first on the block...) bought all of us kids one. These were the Texas Instruments calculators with green flouresant display. Only the basic functions +-x/. No memory or anything fancy like that. I remember that my elementary school teacher wouldn't let me use it in class. I never learned to use a slide rule in High School or VoTech school (electronics) as calculators were everywhere by then. So, if I wanted to pick one up from ebay, which one should I get? Is there a popular model that all the rocket scientists at NASA used during the Apollo program? Something that I can use in the shack?

Thanks,

73/72 - Kevin, W8VOS

-----  
Date: Mon, 12 Jan 2004 04:41:18 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: qrp-l@lehigh.edu  
Subject: [165083] [ FS ] Heathkit HM-102 Watt/SWR Meter  
Message-ID: <3.0.2.32.20040112044118.008534b0@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

For Sale Heathkit HM-102 Watt/SWR meter with manual.

Can be modified for QRP using the procedure recently described in the QRP Quarterly.

\$30.00 shipped to any USPS address

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

-----  
Date: Mon, 12 Jan 2004 04:49:46 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: qrp-l@lehigh.edu  
Subject: [165084] Re: History of "72"  
Message-ID: <3.0.2.32.20040112044946.00836e60@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Ron,

72 means "Wishing you good QRP" and it was started by Oleg Borodin a few years ago. He's a Russian ham and I can't think of his call just now.

Just found this doing a Google search.

72" = "Wishing You Good QRP" (C) 1991 by Oleg Borodin, RV3GM

73/72 is often used to accomplish both greetings.

At 08:55 PM 01/11/2004 -0600, you wrote:

>Anyone know how or when "72" came into being as the QRP offshoot of the  
>more usual "73" for "Best Regards"?

>

>Wondering in Fort Worth,

>

>Ron - K5MVR

>

>

>\*\*\*\*\* Ron Evans \*\*\*\*\*

> K5MVR (ex-KD5S) - Loving the "glow" since 1957

> Fort Worth, TX "Where the West Begins"

> <mailto:cosmos41@ix.netcom.com>

> <http://www.geocities.com/sweetvengeance>

> ARRL, 4SQRP, ARS #1595, FP #694

> <http://www.arsqrp.com>

>\*\*\*\*\*

>

>

>

>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

-----  
Date: Mon, 12 Jan 2004 05:11:33 -0700 (MST)  
From: Karl Larsen <k5di@zianet.com>  
To: Tom Mc <thom2@worldnet.att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165085] Re: AZ ScQRPians Paddle  
Message-ID: <Pine.LNX.4.44.0401120509100.5264-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 11 Jan 2004, Tom Mc wrote:

> Hi Paul,  
> I ordered mine in the beginning of December and so far my check hasn't  
> been cashed. I'm sure this is a big project with a lot of orders, so I  
> guess its a matter of "all good things come to those who wait"

Guys, they just got the parts to kit up another 200 paddles. I  
would guess that yours are part of that large group.

>  
> Tom McCulloch  
> WB2QDG  
>  
> -----Original Message-----  
> From: Paul J Mackanos, Jr. <paul@prohomeinspector.net>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Date: Sunday, January 11, 2004 4:26 PM  
> Subject: AZ ScQRPians Paddle  
>  
>  
> I ordered my paddle kit, anyone know how long the lead time is in receiving  
> it ?  
> 72 Tnx, Paul K2DB  
>  
>  
>  
--

- Karl Larsen k5di Las Cruces, NM Az ScQRPians -

-----  
Date: Mon, 12 Jan 2004 08:18:55 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: <rjohnson390@comcast.net>  
Subject: [165086] Re: Red Hot 20  
Message-ID: <001901c3d90e\$a184a460\$090044c0@BrianBoru>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have an NC20, which is the predecessor to the RH20. The Red Hot only differs in that it incorporates a few mods that many NC20 owners applied, plus it has that cool red case!

Anyway, the receiver in the thing is bulletproof. I found it to be far superior to my Icom 706MkII and my K-1. Two friends borrowed it before getting "real" rigs, and both commented that the receiver was far better than their new, higher end rigs.

However, there is a price. Most QRP rigs use the 602, which leads to a much poorer TOIP than the passive mixer in the RH20. One reason is power. The receive current on the RH20, although nothing like a typical rice box, is far higher than most QRP rigs. The reason is that passive mixer. This is one of those design tradeoffs that you have to make. With careful attention to the front end and the various levels, the 602 doesn't have to be THAT bad. Look at the K1 -- it's pretty decent. But if you want top notch receiver performance, like the RH20, you pay a price in battery life.

Dave went for receiver performance, probably because practically every other rig out there went for low current consumption. The result is one heck of a receiver.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Rich Johnson" <rjohnson390@comcast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Sunday, January 11, 2004 11:56 PM  
Subject: Red Hot 20

> I have been studying the Red Hot NorCal 20 radio and in particular the  
> receiver RF and specifically from U3 the ring diode mixer to U4 the '602  
> product detector and it look ingenious.

>  
> I have considered how to improve it but considering its simplicity it may  
be  
> an optimal design. That is performance per buck per common component.  
>  
> Any of you with the rig or have studied it can you tell me what you think?  
>  
> cheers,  
> rich  
>  
>  
>

-----  
Date: Mon, 12 Jan 2004 08:11:29 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <adverseyaw@twmi.rr.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165087] Re: Computing (was QRP Computers)  
Message-ID: <002501c3d90d\$98ced580\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> So, if I wanted to pick one up from ebay, which one should I get? Is  
> there a popular model that all the rocket scientists at NASA used during  
> the Apollo program? Something that I can use in the shack?  
> Thanks,  
> 73/72 - Kevin, W8VOS

Well, prior to about 1968 I remember K&E (Kueffel and Ester??) as  
being one of the ones I saw all the time.

But then when aluminum became the rage, Pickett was the brand for me.  
And I'm sure there were others. I think a brand named 'Post' was  
decent too, but I'm not sure on that.

With the wood, there were all kinds of warpage and swelling issues.  
With metal, it was 'find machining'. Picketts put springs in each rail,  
and had adjustable guides. But bend a metal on and you should  
just toss it in the trash.

Mike



-----  
Date: Mon, 12 Jan 2004 08:25:02 -0500  
From: "John McKee" <JMckee@rfmd.com>  
To: <qrp-1@lehigh.edu>  
Subject: [165088] End fed wire antennas - How to?  
Message-ID: <EACAE5989DD8B1409788BFD6EDE3EC6062E51E@mail3>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I'm looking for advice and user experience on end fed wire antennas. =  
What configuration (inverted L, sloping wire, longwire), How long - half =  
wave, longer, really longer?

What kind of tuner do you use (L network, auto tuner, etc). Where is =  
your tuner located (next to the rig or somewhere else) and how do you =  
get a good RF ground?

Thanks,

John WB4OFT

-----  
Date: Mon, 12 Jan 2004 08:33:13 +0000  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [165089] Circuit Builders Test Equipment  
Message-ID: <20040112.083422.-256729.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

First, I would like to THANK all whom have made it possible  
for a workbench like mine that is starved for test equipment  
to flourish with modern day projects such as ELMER and DDS.

I retired in '97 and left behind a lab full of test equipment.  
What I miss most is a spectrum analyzer.

Some say that 'necessity is a mother' . . . of invention . . .

The PC with sound card, Google and HF radio is not new but

this 'combination' will provide outstanding free software test equipment that include for me a spectrum analyzer.

Just wanting to share . . .

John

N3AAZ

FM 19 xa the land of Pleasant Living . . .  
the shores of the Chesapeake Bay, where  
it is far too cold for olebones to fish or crab.

---

The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----

Date: Mon, 12 Jan 2004 05:46:52 -0800 (PST)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: multipigplus@yahoogroups.com, "Li'l Piggies" <fpqrp-1@mpna.com>,  
a low-energy group <qrp-1@lehigh.edu>  
Subject: [165090] multiPIG+: #14 out of the drawer!  
Message-ID: <20040112134652.51990.qmail@web41007.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Pigsters and others,

Well, as a relative newbie builder, I discovered that I had some burnout after struggling to get my pigrig QRV for Dayton last year, only to fry the PA and have to trade with Diz. So I put it away for awhile.

All this talk about 80M got me to get it out, though. I'd bought a ZM-2, built, to use with it, and I now have the hawgwahr loop I envisioned as the fitting antler for this pig. So, yesterday, I got it out, tuned it up on 80, and had the first several 80M QSOs of my life (except for a few on a QRO rig during field day, but they don't really count.)

I can tell you that it's really amazing to suddenly have several more bands to play on! Now, I think I'm ready to really get it ready to play - with the dual VFO mod, more keyer memory buttons, speed and RF pots,

and a mod to increase the bandwidth linearity.

WIIGII!

oo,

LL

=====

73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland  
KX1#11 - multiPIG+14 - K1#379 - 20/40M RockMites  
Loop - EDZ - LW - Begali Magnetic Classic Paddles  
ARRL - ARS - QRPParci - QCWA - FISTS #8774  
FPQRP #476 - QRP-L - BORG #2  
Fun = Skill / Power ! 8^D

-----  
Do you Yahoo!?

Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes  
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

-----  
Date: Mon, 12 Jan 2004 13:53:05 -0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: <myetsko@insydesw.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [165091] Re: Computing (was QRP Computers)  
Message-ID: <Law15-DAV23txKHcVn5000098aa@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, January 12, 2004 1:11 PM  
Subject: Re: Computing (was QRP Computers)

> > So, if I wanted to pick one up from ebay, which one should I get? Is  
> > there a popular model that all the rocket scientists at NASA used during  
> > the Apollo program? Something that I can use in the shack?  
> > Thanks,

> > 73/72 - Kevin, W8VOS  
>  
> Well, prior to about 1968 I remember K&E (Kueffel and Ester??) as  
> being one of the ones I saw all the time.  
>  
> But then when aluminum became the rage, Pickett was the brand for me.  
> And I'm sure there were others. I think a brand named 'Post' was  
> decent too, but I'm not sure on that.  
>  
> With the wood, there were all kinds of warpage and swelling issues.  
> With metal, it was 'find machining'. Picketts put springs in each rail,  
> and had adjustable guides. But bend a metal on and you should  
> just toss it in the trash.

I had a nice plastic one made by Aristo in Germany. It was the top of the range Hyperbolog, made for mathematicians, with stuff like  $e^x$ ,  $e^{-x}$ ,  $\tanh(x)$  etc. on it.

73, Leon

--

Leon Heller, G1HSM

Email: [aqzf13@dsl.pipex.com](mailto:aqzf13@dsl.pipex.com)

My low-cost Philips LPC210x ARM development system:

[http://www.geocities.com/leon\\_heller/lpc2104.html](http://www.geocities.com/leon_heller/lpc2104.html)

-----  
Date: Mon, 12 Jan 2004 08:56:17 -0500  
From: John Sielke <[jsielke@pobox.com](mailto:jsielke@pobox.com)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [165092] Re: [multipigplus] multiPIG+: #14 out of the drawer!  
Message-ID: <200401120856.17369.jsielke@pobox.com>  
MIME-Version: 1.0  
Content-Disposition: inline  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

On Monday 12 January 2004 08:46, Lloyd Lachow wrote:

> I can tell you that it's really amazing to suddenly  
> have several more bands to play on! Now, I think I'm  
> ready to really get it ready to play - with the dual  
> VFO mod, more keyer memory buttons, speed and RF pots,  
> and a mod to increase the bandwidth linearity.

Of all the mods I have in #16, (and I think I have them all), the RF Gain mod is the most used. It REALLY helps, particularly on 40M, where signals are pretty strong. Of course, the dual VFO is nice for fox hunting...

-----  
Date: Mon, 12 Jan 2004 09:03:42 -0500  
From: "Jeff Imel" <jeffimel@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165093] Re: Several rigs and a tuner  
Message-ID: <BAY9-DAV47v0xcQ8bPL0002a9ca@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have some excess rigs sitting around the house that I would like to help find new homes. Shipping is included for United States. Please email me for a shipping quote outside of the United States. If for any reason you are not pleased with any item you purchase, ship it back to me within 7 days of receiving it, in its original, working condition and I will refund your money. Contact me at jeffimel@hotmail.com if you are interested in any of these items. Thanks so much es 73. Jeff KB9ZUR

A&A Engineering 20 Meter QRP CW Transceiver. Comes with original documentation and reprints of the QST articles from December 1990 and January 1991. Three small (less than 1/8 inch) light scratches on the left side of the enclosure. Great shape. I made QSO's with this rig yesterday. \$75 shipped.

NorCal 20 with all of the modifications and the updated TiCK keyer chip. I have three of these now in my collection and I should let one go to finance my KX1. This one was built by a friend of mine who is an electronics technician and he did a great job. Original documentation and all modification documentation included. \$120 shipped.

MFJ-901B 200 watt PEP Versa Tuner. Match dipoles, random wires, verticals, mobile whips, beams, balanced and coax lines continuously from 1.8 - 30 MHz. A 4:1 balun for balanced lines is built in. \$50 shipped.

Yaesu FT-840 160 - 10 Meter HF Transceiver (Includes 60 meters). One year old. Comes with original box, microphone, power pigtail and all documentation. Requires 12 VDC power. \$450 shipped.

Pixie II Kit with Extras. Comes with factory sealed Pixie II kit with documentation, pre-drilled, new Altoids box, chassis mount female BNC connector, SPST switch, 9 volt battery clip, two 1/8 female stereo jacks, 7040 kHz crystal and wire. \$40 shipped.

-----  
Date: Mon, 12 Jan 2004 08:18:04 -0600  
From: Wayne Rogers <w5kdj@juno.com>  
To: qrp-l@lehigh.EDU  
Subject: [165094] NAQP Contest  
Message-ID: <20040112.081804.-1490231.0.w5kdj@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone work the contest Saturday?

Power: 250mw  
QSO'S: 203  
Time: 4HR 47MINS  
89 Multipliers on 4 bands  
Score: 18,067

Wayne\_W5KDJ  
ex: SV0WWW\_TF2WJN 100% CW  
ARS\_1392 ARCI\_11325 FP-626 e-QSL  
FISTS\_10060 SOC\_538 HQRP ARRL

-----  
Date: Mon, 12 Jan 2004 08:26:10 -0600  
From: "Jim Sheldon" <w0eb@cox.net>  
To: "Flying Pigs Mailing List" <fpqrp-l@mpna.com>,  
"QRP-L Mailing List" <qrp-l@Lehigh.EDU>,  
Subject: [165095] Single transistor RF amplifier circuit needed (somewhat long)  
Message-ID: <IBEGLCMLCDHHEFLBPHBOMEENDAAA.w0eb@cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anybody got a good circuit for a 1 transistor (2N2222 or 2N4401) amplifier that will work at 5MHz and give me enough gain to take the output of KG6CYN's DDS Signal generator (unbuffered measures 1.3 V on a Fluke RF probe) up to 3 volts?

Having won a Small Wonder Labs PSK-20 QRP PSK-31 transceiver in last year's

FP QRP Club Worked All Pigs contest, I'm working on making this thing frequency agile. Once I get it going, I'll post the mods, as this little rig will work ALL of the digital modes that a sound card can generate and decode. I have it running on the original crystal controlled frequency of 14.070 +- Digipan's audio. I did have the DDS sig-gen hooked up to it, as an early experiment, and even with the low injection voltage to the SA602 and TUF-1 mixers, the receiver and transmitter worked, though with low receive sensitivity and lower power out. I successfully made PSK-31 and RTTY QSO's with it this way, but signals had to be really strong to hear them. With the 5.068 MHz crystal oscillator providing the frequency control, it's really a pretty good little QRP rig.

Since Dave Benson of SWL used cheap 9.0 MHz computer crystals for the filters and for the BFO for the filters, it is set up for LSB which makes it ideal for RTTY since the convention is for LSB on RTTY anyway. It will generate SSB Voice but LSB only unless you make provisions to change the BFO frequency to 9.00 + whatever it takes to match where the filter crystals match out at. I May try that at a later date. Since it uses the 9.0 MHz IF, and 5 MHz conversion oscillator, there's no reason one couldn't set it up for USB operation on 20 meters, and rig it to switch filtering and P/A coils to operate on 75/80 meters. Especially with the DDS signal generator as a VFO for the thing. The other thing that comes to mind, once I get the DDS integrated is re-working the 5 MHz oscillator with a 9 MHz crystal for opposite sideband. That way it could be easily switchable. All sorts of interesting possibilities.

Being out of work and broke, I've got lots of time to think up things to do with this thing.

Jim, W0EB  
Wichita, KS

-----  
Date: Mon, 12 Jan 2004 09:34:22 -0500  
From: Brien Pepperdine <pepperb@gov.on.ca>  
To: qrp-l@Lehigh.EDU  
Subject: [165096] rigs n' stuff for sale  
Message-ID: <5.1.0.14.0.20040112092112.02cd0e90@govonca2.gov.on.ca>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi QRPERS.

I've been out of the hobby for a couple years now chasing some other dragons in life and still am mostly. However I am going to get me feet damp in ham radio a bit over the winter I think.

That said, one of the dragons is a home renovation project (I had been told

they never end, and I think now that is true). The next stage is once again a cleanup to make room for another shift of household goods to make way. In that process the shack is moving within the house again and getting SMALLER smaller.

A few things are being found or not going to be needed or wanted.

NJ Rainbow tuner kit (mostly assembled but not Altoids packaged)

NorCal 20

NJ Precision VX0 kit - NIB plastic envelope untouched

HW-8 Heath qrp rig

NorCal Sierra with 80, 40, 30, 20 m modules built, 10 m unbuilt (no mods done, no ABX variable filter)

There are some other unbuilt NJ QRP kits yet to be found, a DSP filter from a QRP buy (kit version of the Quantonics thing I believe it is), an original version of the LDG autotuner of 100 watts capacity) etc. if anyone is interested in exploring the status and costs of any of the above.

For those close to Toronto or wanting mailing I have a Ten-Tec Century 21, T-T Corsair II, to begin with the larger shack pieces that should go.

For those who are handy there is a T-T qrp amp model 405 with p.s. that probably needs new drivers (hopefully not finals, but that is yet to be determined) - we can talk about that if there interest.

T-T Argonaut 509 with external CW filter and the digital display.

That's what I can think of for now.

Brien Pepperdine  
Toronto  
VE3VAW

-----  
Date: Mon, 12 Jan 2004 17:37:05 +0300  
From: "Oleg V. Borodin" <master72@lipetsk.ru>  
To: "John McKee" <JMckee@rfmd.com>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>



Subject: [165097] Re: End fed wire antennas - How to?  
Message-ID: <713463852.20040112173705@lipetsk.ru>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dear OM John!

JM> I'm looking for advice and user experience on end fed wire

A Year ago I used a half-wave wire for 20 m band with my NorCal-20 (2 watts out). The antenna located out from my window of 3'rd storey to the nearest tree, horizontally almost (10 m above AGL). I use a simple ATU on PI-network circuit connected to Rig by a 40 cm piece of RG-58 cable. I has not any counterpoises or ground. Wire tuned very fine. My best DX was JA6PA, JA1KGW, JY9NX and some US-Hams (AN7VK, KC1F, K3MD) during WPX-CW Contest 2002 (with 2 W).

Wish you all the best!  
72! de RV3GM Oleg ("Master-72") V. Borodin  
RU-QRP Club <http://ruqrp.narod.ru>

=== In QRP We Trust! ===

-----  
Date: Mon, 12 Jan 2004 17:24:04 +0300  
From: "Oleg V. Borodin" <master72@lipetsk.ru>  
To: Chuck Carpenter <w5usj@9plus.net>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165098] Re[2]: History of "72"  
Message-ID: <1892681888.20040112172404@lipetsk.ru>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

CC> 72 means "Wishing you good QRP" and it was started by Oleg Borodin a few  
CC> years ago.  
CC> 72" = "Wishing You Good QRP" (C) 1991 by Oleg Borodin, RV3GM

It's really so. I suggested "72" code instead "73" as greetings between QRPers in 1987. Thanks for Rev. George Dobbs G3RJV and Gus Taylor G8PG - they have supported my offer in SPRAT's pages. The very large honour for me that QRPers of all World use a 72-code.

Another interesting question: who has suggested "71" code for QRPp???  
:^)

Wish you all the best!  
72! de RV3GM Oleg ("Master-72") V. Borodin  
RU-QRP Club [http://ruqrp.narod.ru/index\\_e.html](http://ruqrp.narod.ru/index_e.html)

=== In QRP We Trust! ===

-----  
Date: Mon, 12 Jan 2004 10:00:08 -0500  
From: "AI2Q" <ai2q@adelphia.net>  
To: <kg6cyn@softhome.net>,  
      "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [165099] !RE: Handbook-ARC-5 info  
Message-ID: <001701c3d91c\$c5d83b20\$6401a8c0@agstme.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Trev:

I have a new-in-box ARC-5 transmitter here, even including the 1940s  
excelsior packing material. The green felt is fresh, the mirror shines, and  
the red dos on the soldered connections and screws, etc. are bright. What a  
beautifully constructed piece of equipment. No wonder we won WWII.

I guess I might have to get it fired up one of these days. No ARC-5 receiver  
though.

Enjoy yours!

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687  
<http://users.adelphia.net/~alexmm/ai2q.htm>

.-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
Trevor Jacobs  
Sent: Sunday, January 11, 2004 7:10 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Handbook-ARC-5 info

Hey Gang,

Thought I'd mention one book that you might want to pick up if you see it at a swap meet. It was published in 1964 by the CQ magazine. It's title is "Surplus Conversion Handbook" and covers many of the WWII rigs including the AN/ARC-5 series of rigs. I've played with the ARC-5 rigs and they are pretty neat little rigs. The last one that was given to me was still sealed in the box. It had the original tubes and was completely mint as it was the day it left the factory. I didn't have the heart to modify it, heck, even the green felt on the tuning eye door was fresh and the mirror was still highly polished! I think that it would have fired right up on a dyna-motor! I ended up donating it to the Confederate Air Force where it now lives. These little rigs had a neat history. I may look for another beat up one that I don't feel bad "restoring" ;-)

73's Trev - KG6CYN

<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: "John Oppenheimer" <john@KN5L.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, January 11, 2004 1:51 PM

Subject: Re: Handbook

> Just received mine, along with a new Antenna (with CD) book this last  
> Friday from ARRL direct.  
>  
> I get a new one every five, or so, years. First one is a 1964 (I think)  
> given to me by Towne, W1QLT, my first elmer. Each one has project, that  
> I will never build, that makes the book special.  
>  
> There was much talk about using an ARC-5 this past SKN, and that first  
> Handbook has the ARC-5 power supply and crystal conversion project. Even  
> more special, I still have the power supply that W1QLT started me on  
> with a few of the major parts (transformer). I'm not sure if I every had  
> a QSO using an ARC-5, I still have an old 80 meter unit. Maybe the next  
> SKN I will bring it back to life.  
>  
> John  
>  
> Rich Johnson wrote:  
> >  
> > My newest handbook is 2001 and i was thinking of buying the 2004.  
> > How often do people think buying the latest handbook is worth it?  
> >  
> > cheers,  
> > rich  
>

-----  
Date: Mon, 12 Jan 2004 10:05:56 -0500  
From: "AI2Q" <ai2q@adelphia.net>  
To: <pschweit@mninter.net>,  
    "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [165100] RE: using balloons to raise antennas  
Message-ID: <001801c3d91d\$94848e60\$6401a8c0@agstme.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Rob:

N2RI, KQ2G, and myself used a Gibson Girl helium-filled balloon on Field Day one year. Originally designed to be inflated with hydrogen from the Gibson Girl's pack, it hauled the set's flex-wire antenna aloft, and we used a ground wire running into the nearby ocean for a counterpoise. We ran a T-T Argonaut 509.

However, we initially got badly zapped by this affair, as the sea wind created a huge static charge on the balloon. At the feedpoint at the bottom we could draw inch-long sparks! That problem was eliminated by placing a pi-wound 2.5-mHy choke to ground. Then it worked FB!

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687  
<http://users.adelphia.net/~alexmm/ai2q.htm>

.-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of pschweit  
Sent: Monday, January 12, 2004 12:24 AM  
To: Low Power Amateur Radio Discussion  
Subject: using balloons to raise antennas

has anyone out there used a helium balloon to raise antenna elements .

what sort of balloons and antennas were used?

and

what were the weather conditions?

de K0CD  
rob

-----  
Date: Mon, 12 Jan 2004 10:09:54 -0500  
From: Luke Stras <stras@ecf.toronto.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165101] Re: Assistance needed for recruiting new hams  
Message-ID: <20040112150954.GA6722@arrow.utias.utoronto.ca>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

[CC'ing this to QRP-L, so apologies if you get two copies.]

On Tue, Jan 06, 2004 at 09:09:25PM -0500, Luke Stras wrote:

> On Saturday, January 10, 2004 at 1845 EST (that's 2345 UTC), I (or most  
> likely someone else from the club who has a real HF qualification) will  
> be on the air at 29.25 MHz, USB. The callsign being used will be the  
> club's callsign, VE3UOT. We will announce this as the "Hart House link  
> test", and will give a short introduction to what we're doing. We will  
> then begin a short roll-call, most likely in order of increasing  
> distance from Toronto. I've got a table of the proposed order below.

Well, I was in the shack on Saturday, and made the calls. The band was  
dead, dead, dead -- if the antenna tuner didn't indicate low SWR, I  
would have started suspecting that we didn't have an antenna connected!

In any case, we will be trying again today, at 2345 UTC.

In addition, we've decided to do this from the shack, so we've got  
access to our full complement of antennas. If 10 doesn't pan out, I'm  
tempted to drop down to 40. Any suggestions for frequency?

Thanks to everyone who (tried) to participate.

[ rest of original message follows, for context.]

> First, some background. I belong to the Hart House Amateur Radio Club,  
> which is located at the University of Toronto. The club has been in  
> existence for a goodly number of years; following a hiatus of a few  
> years, we've been getting the club back on its feet for a few years now.  
>  
> This upcoming Monday, January 12, the club is holding one of its  
> semi-annual open meetings to attract new members. Now, this time, we've

> decided that we're going to do more than just talk -- we want to hold a  
> live demonstration of what this whole "amateur radio" thing is about.  
>  
> The plan is to move our main HF radio out of our shack (which is quite  
> small) into the room where the meeting is going to be held. We will  
> also string up (ahead of time) a dipole cut for 10m. At the conclusion  
> of the presentations, we'd like to do a live demonstration of radio  
> communications, and perhaps let the intersted students talk to a few  
> people.  
>  
> So here's what I need help for: I would like to find a number of  
> stations, preferably at increasing distances from Toronto, Canada, who  
> will be able to listen on the specified frequency at the specified time  
> (1845 EST (2345 UTC) on Jan. 12, 2004). We will announce our presence  
> when we're on the air, and will ask for stations to let us know that  
> they're hearing us. We can have a brief QSO with each station, and will  
> then move farther and farther out from Toronto. If the propagation gods  
> are good, I'd like to get a few thousand kilometers worth of distance...  
>  
> What I'd like to do is to do a test of this on the Saturday before  
> (that's Jan. 10, 2004), at the same time (1845 EST/2345 UTC). This test  
> makes sure we can set things up, that our signal gets out, and that  
> people can hear us.  
>  
> If anyone is interested in helping us, or if there are any questions,  
> please do not hesitate to ask, here or by personal e-mail.

--

Luke Stras VA3LNS <stras@utias.toronto.edu>

"The meek can have the Earth; the rest of us have other plans"

--Henry Spencer

-----  
Date: Mon, 12 Jan 2004 10:07:56 -0500

From: "AI2Q" <ai2q@adelphia.net>

To: <w0eb@cox.net>,

    "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>

Subject: [165102] RE: Single transistor RF amplifier circuit needed (somewhat long)

Message-ID: <001901c3d91d\$dcd60b80\$6401a8c0@agstme.adelphia.net>

MIME-Version: 1.0

Content-Type: text/plain;

    charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Jim:

Check out the 2N2222 amplifier that I use in my KISS rig (on Web site) for a post-IF amplifier. I think that will work for you.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687  
<http://users.adelphia.net/~alexmm/ai2q.htm>

.-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Jim Sheldon

Sent: Monday, January 12, 2004 9:26 AM

To: Low Power Amateur Radio Discussion

Subject: Single transistor RF amplifier circuit needed (somewhat long)

Anybody got a good circuit for a 1 transistor (2N2222 or 2N4401) amplifier that will work at 5MHz and give me enough gain to take the output of KG6CYN's DDS Signal generator (unbuffered measures 1.3 V on a Fluke RF probe) up to 3 volts?

Having won a Small Wonder Labs PSK-20 QRP PSK-31 transceiver in last year's FP QRP Club Worked All Pigs contest, I'm working on making this thing frequency agile. Once I get it going, I'll post the mods, as this little rig will work ALL of the digital modes that a sound card can generate and decode. I have it running on the original crystal controlled frequency of 14.070 +- Digipan's audio. I did have the DDS sig-gen hooked up to it, as an early experiment, and even with the low injection voltage to the SA602 and TUF-1 mixers, the receiver and transmitter worked, though with low receive sensitivity and lower power out. I successfully made PSK-31 and RTTY QSO's with it this way, but signals had to be really strong to hear them. With the 5.068 MHz crystal oscillator providing the frequency control, it's really a pretty good little QRP rig.

Since Dave Benson of SWL used cheap 9.0 MHz computer crystals for the filters and for the BFO for the filters, it is set up for LSB which makes it ideal for RTTY since the convention is for LSB on RTTY anyway. It will generate SSB Voice but LSB only unless you make provisions to change the BFO frequency to 9.00 + whatever it takes to match where the filter crystals match out at. I May try that at a later date. Since it uses the 9.0 MHz IF, and 5 MHz conversion oscillator, there's no reason one couldn't set it up for USB operation on 20 meters, and rig it to switch filtering and P/A coils to operate on 75/80 meters. Especially with the DDS signal generator as a VFO for the thing. The other thing that comes to mind, once I get the DDS integrated is re-working the 5 MHz oscillator with a 9 MHz crystal for opposite sideband. That way it could be easily switchable. All sorts of interesting possibilities.

Being out of work and broke, I've got lots of time to think up things to do with this thing.

Jim, WOEB  
Wichita, KS

-----  
Date: Mon, 12 Jan 2004 10:27:22 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [165103] RE: Handbook  
Message-ID: <721D3436A7C2B344A301FD4A413C71A90251252D@kosh.arrlhq.org>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

In the good old days before I worked at ARRL HQ, typically every 3-5 = years for me. What you may want to do is to note the ARRL ads for each = new year Handbook. Normally, the new projects are listed and the = chapters that have undergone major revision are listed. When you see a = chapter on a subject near and dear to your heart, or enough new projects = to justify the expense, it is time to buy another.

As a side benefit, ARRL will do something useful with the "profits" from = the sale. :-)

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU=20  
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Rich Johnson  
> Sent: Sunday, January 11, 2004 4:12 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Handbook



>=20  
>=20  
> My newest handbook is 2001 and i was thinking of buying the 2004. =20  
> How often do people think buying the latest handbook is worth it?  
>=20  
> cheers,  
> rich  
>=20  
>=20

-----  
Date: Mon, 12 Jan 2004 09:44:47 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: "Oleg V. Borodin" <master72@lipetsk.ru>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [165104] Re: Re[2]: History of "72" [ and 71 also ]  
Message-ID: <3.0.2.32.20040112094447.0082f100@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Oleg and all,

The only place I've seen 71 used is regulary was on the QRPP-I website by  
Brice Hornback, KA8MAV.

At 05:24 PM 01/12/2004 +0300, Oleg V. Borodin wrote:  
>CC> 72 means "Wishing you good QRP" and it was started by Oleg Borodin a few  
>CC> years ago.  
>CC> 72" = "Wishing You Good QRP" (C) 1991 by Oleg Borodin, RV3GM  
>  
>It's really so. I suggested "72" code instead "73" as greetings  
>between QRPers in 1987. Thanks for Rev. George Dobbs G3RJV and Gus  
>Taylor G8PG - they have supported my offer in SPRAT's pages.  
>The very large honour for me that QRPers of all World use a 72-code.  
>  
>Another interesting question: who has suggested "71" code for QRPP???  
>:^)  
>  
>Wish you all the best!  
>72! de RV3GM Oleg ("Master-72") V. Borodin  
>RU-QRP Club [http://ruqrp.narod.ru/index\\_e.html](http://ruqrp.narod.ru/index_e.html)  
>  
>=== In QRP We Trust! ===  
>  
>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

-----  
Date: Mon, 12 Jan 2004 10:44:58 -0500  
From: Lee Mairs <lairs@direcway.com>  
To: adverseyaw@twmi.rr.com,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165105] Re: Computing (was QRP Computers)  
Message-ID: <009001c3d923\$0cfdaca0\$0200a8c0@J4>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

My 10" Post slide rule beat out the K&Es when I was an EE student at the Univ of New Mexico some time back in the last century.

73 de Lee  
KM4YY/8

----- Original Message -----  
From: "Kevin M., W8VOS" <adverseyaw@twmi.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, January 12, 2004 2:34 AM  
Subject: Re: Computing (was QRP Computers)

> Gang,  
> I have been following this thread with some interest. Unfortunately  
> when the first calculators came out in the 1970's, my Aunt (always one  
> to be the first on the block...) bought all of us kids one. These were  
> the Texas Instruments calculators with green flouresant display. Only  
> the basic functions +-x/. No memory or anything fancy like that. I  
> remember that my elementary school teacher wouldn't let me use it in  
> class. I never learned to use a slide rule in High School or VoTech  
> school (electronics) as calculators were everywhere by then.  
> So, if I wanted to pick one up from ebay, which one should I get? Is  
> there a popular model that all the rocket scientists at NASA used during  
> the Apollo program? Something that I can use in the shack?  
> Thanks,  
> 73/72 - Kevin, W8VOS  
>  
>  
>

-----  
Date: Mon, 12 Jan 2004 07:48:58 -0800  
From: paule@sfu.ca  
To: qrp-1@Lehigh.EDU  
Subject: [165106] FS: TS940sat  
Message-ID: <200401121548.i0CFmwRe024763@rm-rstar.sfu.ca>  
Content-Type: text/plain  
Content-Disposition: inline  
Content-Transfer-Encoding: binary  
MIME-Version: 1.0

I have a TS940sat with the internal antenna tuner, a pair of Inrad 400hz cw filters, and matching SP940. Asking \$850 plus shipping.

Have cranked them back to 5watts or less for 100's of q's. Great receiver. Hears weak signals in noisy conditions, better than a friends 1000mp.

cheers, Paul - VA7NT ex VE7CQK - email: paule@sfu.ca  
"Those who hear not the music. . . think the dancers mad."

-----  
Date: Mon, 12 Jan 2004 10:49:49 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: myetsko@insydesw.com,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [165107] Re: Computing (was QRP Computers)  
Message-ID: <00a301c3d923\$b918aa30\$0200a8c0@J4>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I had a Pickett just before I got a Post. One the way into a CE exam, I dropped the Pickett. It almost killed me during the exam. The next day I got the Post. It was constructed of bamboo if I remember correctly, and stable as a rock. I would "grease" the inner rule with #2 lead before big exams for that extra fast slip...

73 de Lee  
KM4YY/8

----- Original Message -----  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, January 12, 2004 8:11 AM

Subject: Re: Computing (was QRP Computers)

> > So, if I wanted to pick one up from ebay, which one should I get? Is  
> > there a popular model that all the rocket scientists at NASA used during  
> > the Apollo program? Something that I can use in the shack?  
> > Thanks,  
> > 73/72 - Kevin, W8VOS  
>  
> Well, prior to about 1968 I remember K&E (Kueffel and Ester??) as  
> being one of the ones I saw all the time.  
>  
> But then when aluminum became the rage, Pickett was the brand for me.  
> And I'm sure there were others. I think a brand named 'Post' was  
> decent too, but I'm not sure on that.  
>  
> With the wood, there were all kinds of warpage and swelling issues.  
> With metal, it was 'find machining'. Picketts put springs in each rail,  
> and had adjustable guides. But bend a metal on and you should  
> just toss it in the trash.  
>  
> Mike  
>  
>

-----  
Date: Mon, 12 Jan 2004 10:49:21 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: nielsen@oz.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [165108] Re: Computing (was QRP Computers)  
Message-ID: <4002C201.4388B7CB@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Friden's were used to do many calculations in the late 70's, and of course, during the whole post war period, I suspect. They were a wonderful machine, thankfully made obsolete by the digital computer.

Yes there were large slide rules. We had a 5 or 6 footer hanging in one engineering classroom. It was a teaching tool. I never saw any fine markings for better accuracy. When I went to school you were expected to interpolate by eye.

And speaking of other form factors, anybody remember the "Curta" Rallye

Calculator? If you wanted to be among the winners in rallye competition you had to have a Curta!

73

-----  
Date: Mon, 12 Jan 2004 10:59:56 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: jmthurman@centurytel.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [165109] Re: Computing (was QRP Computers)  
Message-ID: <4002C47B.4BE07A05@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ounce for ounce, or foot for foot, I think a slide rule is faster when you know the dimensions of the solution, that is when the solution can easily be reduced to a formula. Of course, this is always the case with an engineering problem, but then who always knows the formula!

Engineering turns out to be a field specific business, and one who is fast with electric motor calculations may fall flat on his black horned rim glasses if faced with semiconductor design. Perhaps a more fair test would have been to ask you all to try some calculations out of your field!

Secretly, I still think the slide rule would win! But how would the professors justify their computing lab toys?

73

-----  
Date: Mon, 12 Jan 2004 10:13:37 -0600  
From: George F Franklin <w0av@juno.com>  
To: w5usj@9plus.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [165110] Re: Re[2]: History of "72" [ and 71 also ]  
Message-ID: <20040112.101337.1364.2.w0av@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang,

I understand that Al Gore invented "72."

72 de George/W0AV  
Hamming since 1935

-----  
Date: Mon, 12 Jan 2004 10:16:36 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: qrp-l@lehigh.edu  
Subject: [165111] My 80 Mtr Beacon Reports -- Coming Soon  
Message-ID: <3.0.2.32.20040112101636.00848c10@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Folks,

Thanks to all for the reports on our 80 meter beacon fun this weekend.  
We'll have to do it again in the near future.

Interesting note: I didn't notice any stations reporting from the north  
west quadrant of the states for any of the beacons -- 80 meter black hole?

I'll have my reports out in a day or so. The beacon part is easy and fun  
the data collection is not... [g]

Be sure to check out Bill's, WV7G, website where he has nicely plotted the  
location of our beacon stations and the reporting stations. Point your  
browser to:

<http://wv7g.home.mindspring.com/beacons.html>.

Mine will hopefully be there too -- soon!

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

-----  
Date: Mon, 12 Jan 2004 11:25:57 -0500 (EST)  
From: <ah7i@atl.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165112] Re: SDR-1000

Message-ID: <Pine.LNX.4.33.0401121120160.22097-100000@localhost.localdomain>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

If anyone has purchased one of these and decided against using it, I would be interested in swap for some old tube type ham stuff. Have a real pretty Johnson Viking II with original manual. There are some HiFi mods for this that might interest the HiFi AM crowd. This is a general coverage transmitter so will work on any HF ham frequency which might become available in the future or on SWBCB if the minimum power limits are ever reduced and one obtains the proper permits...

-bob  
ah7i

-----  
Date: Mon, 12 Jan 2004 11:47:35 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: <w0eb@cox.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [165113] Re: Single transistor RF amplifier circuit needed (somewhat long)  
Message-ID: <3.0.6.32.20040112114735.007cec60@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Jim,

If you convert Q5 from an xtal oscillator to a buffer, you should be able to drive Q5 directly from the DDS, without any additional amplification. To do this, remove the 5 Mhz xtal and C49/C50, then apply your DDS signal to the base of Q5. Basically, you need more drive current, not more amplitude.

Also, to get USB, you just have to use high side injection rather than low side. So, use 23 MHz when you want USB and 5 MHz for LSB. Easy to do with the DDS VFO! That's a whole lot better than messing with the BFO. (You might have to jumper out L7 and remove C51 when you go to 23 Mhz L0)

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Mon, 12 Jan 2004 11:22:16 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [165114] Slide rules  
Message-ID: <3.0.6.32.20040112112216.007c5e30@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I still have the set of Picket S/R's (12" and 6") they made me buy when I started collage. Still have the instruction books that came with them too! (those might be more valuable than the silde rule!)

But how how many of you have a Lafayette Bamboo "Electrical Communications" Slide rule? This one has special scales for dB, Inductive and capacitance reactance, wave length, resonance frequency, vector calculations and of course, all the normal stuff. I should dig it up and see if I can figure out how to use it again :-)

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Mon, 12 Jan 2004 11:35:57 -0500  
From: "Russ Hines" <wb8zcc@fuse.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165115] Re: Handbook  
Message-ID: <00ac01c3d92a\$28069640\$4407c00a@WB8ZCC2>

>From a practical point of view...

I purchase a new ARRL Handbook every 4 years, and have done so since 1973. The only deviation from my little plan was a purchase of a 1999 handbook on CD-ROM for use on the laptop when I travel. Seems to work out so far.

Of course, I use the handbook as a reference text. I think most of the handbook projects have already appeared in QST or QEX, although the last decade or so, I've noticed there have been a few "Handbook-only" items.

73,  
Russ  
WB8ZCC



----- Original Message -----

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, January 12, 2004 10:27 AM

Subject: RE: Handbook

> In the good old days before I worked at ARRL HQ, typically every 3-5 years for me. What you may want to do is to note the ARRL ads for each new year Handbook. Normally, the new projects are listed and the chapters that have undergone major revision are listed. When you see a chapter on a subject near and dear to your heart, or enough new projects to justify the expense, it is time to buy another.

>

> As a side benefit, ARRL will do something useful with the "profits" from the sale. :-)

>

> 73,

> Ed Hare, W1RFI

> ARRL Lab

> 225 Main St

> Newington, CT 06111

> Tel: 860-594-0318

> Internet: w1rfi@arrl.org

> Web: <http://www.arrl.org/tis>

>

>

>

> > -----Original Message-----

> > From: owner-qrp-1@Lehigh.EDU

> > [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> > Rich Johnson

> > Sent: Sunday, January 11, 2004 4:12 PM

> > To: Low Power Amateur Radio Discussion

> > Subject: Handbook

> >

> >

> > My newest handbook is 2001 and i was thinking of buying the 2004.

> > How often do people think buying the latest handbook is worth it?

> >

> > cheers,

> > rich

> >

> >  
>

-----  
Date: Mon, 12 Jan 2004 11:43:01 -0500  
From: "Mark Rauchfuss" <mark.rauchfuss@worldnet.att.net>  
To: <n1olo@yahoo.com>,  
    "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>  
Subject: [165116] RE: using balloons to raise antennas  
Message-ID: <000b01c3d92b\$257f0b90\$5b144b0c@LIFEB00K>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="us-ascii"  
Content-Transfer-Encoding: 7bit

But where can one obtain a balloon of suitable size to raise say 100  
meters of #16 wire. Where can one obtain the original balloons or  
kitoons, as they were once called?

Mark

-----Original Message-----  
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf  
Of John Kalotai  
Sent: Monday, January 12, 2004 2:27 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: using balloons to raise antennas

I have used balloons to raise antennas, usually end fed wire.

I got ahold of some surplus weather ballons and with the help of my  
local welding company I was able to launch it.

I use the same Stafix twine I use for my kite antenna. Its strong  
enough to teather the balloon and has 6 - 9 strands of stainless  
steel wire woven through it.

<http://fence-electric.com/ShopItemIG.php?item=Twine#R2W>

The same cautions apply to balloons as they do kites. DO NOT fly near  
power lines. Beware of approaching weather. Make sure you have a 1meg  
resistor from the antenna to ground to bleed static off.

Generally for a balloon to be effective as a antenna support the

weather need to be calm. If you have more than a 5 -7 mph wind the angle of the antenna will fall away from vertical and your antenna wire may wind up dragging on the ground.

There are balloons specifically designed to be antenna supports. They have an airfoil design to help them be more stable in the wind. I believe there was a article in 73 a few years back.

73

John N10LO

```
--- pschweit <pschweit@mninter.net> wrote:
> has anyone out there used a helium balloon to raise antenna
> elements .
>
> what sort of balloons and antennas were used?
>
> and
>
> what were the weather conditions?
>
> de K0CD
> rob
>
```

-----

Date: Mon, 12 Jan 2004 11:26:17 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: kd5kxf@classicnet.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [165117] Re: Computing (was QRP Computers)  
Message-ID: <4002CAA9.88F9602C@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Who, among early computer users does not remember david Ahl and Popular Computing", or Wayne Green's "Byte", or "Kilobaud", or "Micro 80"? All great magazines, and all dedicated to teaching you more about the workings of your computer and giving you a variety of games, both simple and semi-complex. Those were the days of computing, when computers were computers.

Now computers are used as entertainment devices. It takes no knowledge of what resides behind the screen to play recent games. Even the game scenario is simple, it's the animation that is interesting.

And yes, there were magazines devoted to special purpose machines, like "Micro 64". They were a little more than simple listings because they also included how to build it articles.

British magazines were also there. I used to read "Popular Computing (British)" when I was assigned to Europe. I still have a Commodore clone I bought over there and a Sinclair mini machine that was quite a bit of fun and a real challenge to pack code in. I think where UK computing went astray was the emphasis on the BBC machine.

I think if I were going to teach 8 bit computing today I might look for some of the old magazines and books from that era. 8, and 4 bit computing have application today with the PIC revolution.

Incidentally, did any of you ever win one of the monthly programming contests that Wayne ran in "Micro 80"? I did, and won \$50.00!

73

-----  
Date: Mon, 12 Jan 2004 12:02:27 -0500  
From: Michael Babineau <michael.babineau@sympatico.ca>  
To: qrp-1@Lehigh.EDU  
Cc: n2apb@amsat.org  
Subject: [165118] Mac problems ordering AD9850BRS samples for NJQRP DDS daughtercard  
Message-ID: <19C75E97-4521-11D8-AA3D-00039309268A@sympatico.ca>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v553)  
Content-Transfer-Encoding: 7bit

I just thought that I would mention that it appears that the Analog Devices website is not Macintosh Browser friendly. I ran into some issues trying to order AD9850BRS samples for the NJQRP DDS daughtercard using Internet Explorer on my iBook (Mac OS X).

I did manage to register but after repeated tries couldn't get any parts added to the order so I switched to my PC and everything worked fine. I have run into this before

on a different site ... just thought that I would mention this in case someone else runs into this.

Michael VE3WMB

-----  
Date: Mon, 12 Jan 2004 09:14:10 -0800 (PST)  
From: John Kalotai <n1olo@yahoo.com>  
To: Mark Rauchfuss <mark.rauchfuss@worldnet.att.net>,  
    "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [165119] RE: using balloons to raise antennas  
Message-ID: <20040112171410.76038.qmail@web80009.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Well for one I would not try to haul up that much copper. That's why I use the stafix twine. Its lightweight and works well as the support and the antenna.

Edmund Scientific does have weahter balloons  
<http://scientificsonline.com/product.asp?pn=3041755>

The original kite-toons might be found in military surplus ( maybe)  
<BIG maybe>

73

John

--- Mark Rauchfuss <mark.rauchfuss@worldnet.att.net> wrote:  
> But where can one obtain a balloon of suitable size to raise say  
> 100  
> meters of #16 wire. Where can one obtain the original balloons or  
> kitoons, as they were once called?  
>  
> Mark  
>  
> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On  
> Behalf  
> Of John Kalotai  
> Sent: Monday, January 12, 2004 2:27 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: using balloons to raise antennas  
>  
> I have used balloons to raise antennas, usually end fed wire.

>  
> I got ahold of some surplus weather balloons and with the help of my  
> local welding company I was able to launch it.  
>  
> I use the same Stafix twine I use for my kite antenna. Its strong  
> enough to teather the balloon and has 6 - 9 strands of stainless  
> steel wire woven through it.  
>  
> <http://fence-electric.com/ShopItemIG.php?item=Twine#R2W>  
>  
> The same cautions apply to balloons as they do kites. DO NOT fly  
> near  
> power lines. Beware of approaching weather. Make sure you have a  
> 1meg  
> resistor from the antenna to ground to bleed static off.  
>  
> Generally for a balloon to be effective as a antenna support the  
> weather need to be calm. If you have more than a 5 -7 mph wind the  
> angle of the antenna will fall away from vertical and your antenna  
> wire may wind up dragging on the ground.  
>  
> There are balloons specifically designed to be anntenna supports.  
> They have an airfoil design to help them be more stable in the  
> wind.  
> I believe there was a article in 73 a few years back.  
>  
> 73  
>  
> John N10LO  
>  
> --- pschweit <pschweit@mninter.net> wrote:  
> > has anyone out there used a helium balloon to raise antenna  
> > elements .  
> >  
> > what sort of balloons and antennas were used?  
> >  
> > and  
> >  
> > what were the weather conditions?  
> >  
> > de K0CD  
> > rob  
> >  
>  
>  
>

-----  
Date: Mon, 12 Jan 2004 12:15:25 -0500  
From: w9ya <w9ya@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165120] Re: Computing (was QRP Computers)  
Message-ID: <200401121215.25739.w9ya@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

And then there were the outstanding Aristos with the interesting p scale along with the "Post" style log-log scales.

Bob  
w9ya

On Monday 12 January 2004 10:44 am, Lee Mairs wrote:  
> My 10" Post slide rule beat out the K&Es when I was an EE student at the  
> Univ of New Mexico some time back in the last century.  
>  
> 73 de Lee  
> KM4YY/8  
>  
>  
> ----- Original Message -----  
> From: "Kevin M., W8VOS" <adverseyaw@twmi.rr.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Monday, January 12, 2004 2:34 AM  
> Subject: Re: Computing (was QRP Computers)  
>  
> > Gang,  
> > I have been following this thread with some interest. Unfortunately  
> > when the first calculators came out in the 1970's, my Aunt (always one  
> > to be the first on the block...) bought all of us kids one. These were  
> > the Texas Instruments calculators with green flouresant display. Only  
> > the basic functions +-x/. No memory or anything fancy like that. I  
> > remember that my elementary school teacher wouldn't let me use it in  
> > class. I never learned to use a slide rule in High School or VoTech  
> > school (electronics) as calculators were everywhere by then.  
> > So, if I wanted to pick one up from ebay, which one should I get? Is  
> > there a popular model that all the rocket scientists at NASA used during  
> > the Apollo program? Something that I can use in the shack?  
> > Thanks,  
> > 73/72 - Kevin, W8VOS

-----  
Date: Mon, 12 Jan 2004 11:19:27 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: qrp-l@lehigh.edu  
Subject: [165121] [ Sold ] Heathkit HM-102 Watt/SWR Meter  
Message-ID: <3.0.2.32.20040112111927.00830d70@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Sold -- Heathkit HM-102 Watt/SWR meter

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

-----  
Date: Mon, 12 Jan 2004 12:16:53 -0500  
From: w9ya <w9ya@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [165122] Re: History of "72" [ and 71 also ]  
Message-ID: <200401121216.53317.w9ya@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

On Monday 12 January 2004 11:13 am, George F Franklin wrote:

> Hi Gang,  
>  
> I understand that Al Gore invented "72."  
>  
> 72 de George/W0AV  
> Hamming since 1935

Excellent thought,...ya made my day !

Bob  
w9ya

-----



Date: Mon, 12 Jan 2004 12:31:48 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: kd1jv@moose.ncia.net,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165123] Re: Slide rules  
Message-ID: <011c01c3d931\$f9ee3a30\$0200a8c0@J4>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Steve reminded me. I had a small 5" pocket slide rule that I bought from Lafayette Radio when home for Christmas vacation one year. I don't remember whether it was a special electrical comms slide rule. I last saw it when I packed my stuff to move out here to WBGV, but I can't remember whether it made it into a packing box, or was dumped in the circular file (with all the other stuff I've needed in the past year...)

73 de Lee

KM4YY/8

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, January 12, 2004 11:22 AM  
Subject: Slide rules

> I still have the set of Picket S/R's (12" and 6") they made me buy when I  
> started collage. Still have the instruction books that came with them too!  
> (those might be more valuable than the silde rule!)  
>  
> But how how many of you have a Lafayette Bamboo "Electrical  
Communications"  
> Slide rule? This one has special scales for dB, Inductive and capacitance  
> reactance, wave length, resonance frequency, vector calculations and of  
> course, all the normal stuff. I should dig it up and see if I can figure  
> out how to use it again :-)  
>  
>  
> 72,  
> Steve, KD1JV  
> "Melt Solder"  
> White Mountains of New Hampshire  
> <http://www.qsl.net/kd1jv/>

-----  
Date: Mon, 12 Jan 2004 12:32:51 -0500

From: "Jeff Imel" <jeffimel@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165124] Tuner Sold  
Message-ID: <BAY9-DAV7B6HfMVur6n00006c02@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ooops. My mistake. I forgot to remove the tuner from my list of items for sale as it has already sold.

Sorry. Old age has set in. :)

TNX ES 73!

Jeff  
KB9ZUR

----- Original Message -----

From: "Jeff Imel" <jeffimel@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, January 12, 2004 9:03 AM  
Subject: Re: Several rigs and a tuner

> I have some excess rigs sitting around the house that I would like to help  
> find new homes. Shipping is included for United States. Please email me  
> for a shipping quote outside of the United States. If for any reason you  
are  
> not pleased with any item you purchase, ship it back to me within 7 days  
of  
> receiving it, in its original, working condition and I will refund your  
> money. Contact me at jeffimel@hotmail.com if you are interested in any  
of  
> these items. Thanks so much es 73. Jeff KB9ZUR  
>  
> A&A Engineering 20 Meter QRP CW Transceiver. Comes with original  
> documentation and reprints of the QST articles from December 1990 and  
> January 1991. Three small (less than 1/8 inch) light scratches on the left  
> side of the enclosure. Great shape. I made QSO's with this rig  
yesterday.  
> \$75 shipped.  
>  
> NorCal 20 with all of the modifications and the updated TiCK keyer chip.  
I  
> have three of these now in my collection and I should let one go to  
finance

> my KX1. This one was built by a friend of mine who is an electronics  
> technician and he did a great job. Original documentation and all  
> modification documentation included. \$120 shipped.  
>  
> MFJ-901B 200 watt PEP Versa Tuner. Match dipoles, random wires, verticals,  
> mobile whips, beams, balanced and coax lines continuously from 1.8 - 30  
MHz.  
> A 4:1 balun for balanced lines is built in. \$50 shipped.  
>  
> Yaesu FT-840 160 - 10 Meter HF Transceiver (Includes 60 meters). One year  
> old. Comes with original box, microphone, power pigtail and all  
> documentation. Requires 12 VDC power. \$450 shipped.  
>  
> Pixie II Kit with Extras. Comes with factory sealed Pixie II kit with  
> documentation, pre-drilled, new Altoids box, chassis mount female BNC  
> connector, SPST switch, 9 volt battery clip, two 1/8 female stereo jacks,  
> 7040 kHz crystal and wire. \$40 shipped.  
>  
>  
>  
>

-----  
Date: Mon, 12 Jan 2004 12:33:09 -0500  
From: w9ya <w9ya@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165125] Re: Slide rules  
Message-ID: <200401121233.09178.w9ya@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

On Monday 12 January 2004 11:22 am, Steven Weber wrote:  
> I still have the set of Pickett S/R's (12" and 6") they made me buy when I  
> started collage. Still have the instruction books that came with them too!  
> (those might be more valuable than the silde rule!)  
>  
> But how how many of you have a Lafayette Bamboo "Electrical Communications"  
> Slide rule? This one has special scales for dB, Inductive and capacitance  
> reactance, wave length, resonance frequency, vector calculations and of  
> course, all the normal stuff. I should dig it up and see if I can figure  
> out how to use it again :-)  
>

A few years ago I picked up a Pickett model N-515-T, which were made for the

Cleveland Institute of Electronics. Apparently these which were part of CIE's electronics course, and they are quite common. There are probably many still available in the as new condition I got mine in, as they usually saw little actual use after the student had finished the course. At least this is what the collectors seem to say about these.

While they do NOT have the a scale for db as the Lafayette rule you mention above, it has alot of specialty scales for electronics on the front, and two decimal point "locator" nomographs for reactance and resonance along with formula charts on the back.

Yours and the previous posts got me to get out and play with some of my very small collection of slide sticks. I am still having fun this afternoon with them. I am glad now that I still look for them when out at swaps, flee markets, and the local antique stores.

Thanxs everyone.

Vy 72;

Bob  
w9ya

>  
> 72,  
> Steve, KD1JV  
> "Melt Solder"  
> White Mountains of New Hampshire  
> <http://www.qsl.net/kd1jv/>

-----  
Date: Mon, 12 Jan 2004 12:35:02 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: adverseyaw@twmi.rr.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [165126] Re: Computing (was QRP Computers)  
Message-ID: <4002DAC6.E7102EFC@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Kevin,

If you want a slide rule to learn on, or to learn about, I might recommend any of the ten inch rules, BUT it must be in good condition

and come with the manufacturer's instruction book.

Mike has already warned you about bent aluminum. That is the kiss of death for a Pickett. K&E and Post were made of bamboo. Slide rules were made, mostly, by drafting equipment companies. The bamboo they used was especially stable.

In this area, Washington, DC, we have an annual "Machine Tools" Show where many vendors sell new and used slide rules. I bought a new pocket model Pickett there several years ago. I had never owned either a Pickett or a pocket model before.

My favorite is the K&E. I still have the one I bought new at the K&E store here in Washington! Served me well!

The reason I say to be sure it has the original book with it is almost anyone can puzzle out the basic scales, but the book will be of great help when trying to figure out the rest of the scales!

7

-----  
Date: Mon, 12 Jan 2004 11:42:53 -0600  
From: "Michael Melland, W9WIS" <w9wis@charter.net>  
To: kd1jv@moose.ncia.net,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165127] Re: Slide rules  
Message-ID: <000e01c3d933\$83434810\$4986e98d@winad.it.uwosh.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7bit

I remember learning to use a slide rule as well.... and my first calculator. My parents (both teachers) bought me one of the first Texas Instruments calculators. It had a display made up of red dot type numerals and could add, subtract, multiply, divide and give square root.... and that was all <grin>. I remember them telling me they paid \$90 or so for it.... how things change.

One of the professors here at the college collects slide rules and I'm amazed at what some are worth ! I bet that electronics one is worth a bit Steve. I saw one similar one he has in his collection except it's round and worth I'm told \$250+.

Mike, W9WIS

-----  
Date: Mon, 12 Jan 2004 12:46:52 -0500  
From: "Joseph Trombino Jr" <w2kj@bellsouth.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [165128] Wanted: unbuilt RH-20  
Message-ID: <009901c3d934\$107166e0\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

I know this is a long shot but I wonder if anyone out there in QRP land has an unbuilt RH20 (red circuit board and red case) that they want to sell???

The version I want is the commercial RH product not an NC20 club kit.

73, Joe W2KJ  
North Carolina  
I QRP, therefore I am

-----  
Date: Mon, 12 Jan 2004 09:55:11 -0800 (PST)  
From: Curt Milton <wb8yyy@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165129] Re: Red Hot 20  
Message-ID: <20040112175511.18205.qmail@web60801.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

A RH-20 style rig would be a great offering, particularly a 2 or 3 band style perhaps with a PLL band synthesizer. Some may be interesting in manhattan version, or some mix with PCB as necessary. For home station use, once you have a nice PLL VFO it only seems to make sense to have an upgraded receiver front end.

curt wb8yyy

-----  
Do you Yahoo!?

Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes  
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

-----  
Date: Mon, 12 Jan 2004 13:08:54 -0800  
From: "Mike Boatright" <ko4wx@mindspring.com>  
To: "Qrp-L" <qrp-l@Lehigh.EDU>  
Cc: <pschweit@mninter.net>  
Subject: [165130] Re: using balloons to raise antennas  
Message-ID: <NFBBIILMKMIILGKAJMBLAEGBCNAA.ko4wx@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

I believe that Marconi did, in Newfoundland, in 1903. Had a hell of a time though.

See:

Signor Marconi's Magic Box: The Most Remarkable Invention of the 19th Century and the Amateur Inventor Whose Genius Sparked a Revolution by Gavin Weightman. Just published (2003). I found it on the new books table in Foyles in London two weeks ago (man, I love that store). Great book so far...

Noticed that it is available on Amazon.com...

72 de Mike, K04WX

-----  
Date: Mon, 12 Jan 2004 10:13:00 -0800  
From: Adam Farson <farson@shaw.ca>  
To: Low Power Amateur Radio Discussion <qrp-l@LEHIGH.EDU>  
Subject: [165131] RE: SDR-1000  
Message-ID: <COEHICILCFODCAILDEBKAEKLDHAA.farson@shaw.ca>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

Hi Bob,

<<...on SWBCB if the minimum power limits are ever reduced and one obtains the proper permits...>>

I don't really think so. ITU-R regulations require that HF broadcasting transmitters be crystal-controlled or synthesiser-driven, and that the master oscillator meet specified frequency-stability criteria. To my knowledge, no ITU member administration will license a VFO-controlled transmitter for radio services requiring crystal control.

Cheers for now, 73,  
Adam VA7OJ/AB4OJ

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
ah7i@atl.org  
Sent: Monday, January 12, 2004 08:26  
To: Low Power Amateur Radio Discussion  
Subject: Re: SDR-1000

If anyone has purchased one of these and decided against using it, I would be interested in swap for some old tube type ham stuff. Have a real pretty Johnson Viking II with original manual. There are some HiFi mods for this that might interest the HiFi AM crowd. This is a general coverage transmitter so will work on any HF ham frequency which might become available in the future or on SWBCB if the minimum power limits are ever reduced and one obtains the proper permits...

-bob  
ah7i

-----  
Date: Mon, 12 Jan 2004 13:23:02 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [165132] Re: Handbook  
Message-ID: <4002E606.B84AE04F@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I bought my first NEW ARRL Handbook in 1957. I used it for study and some project ideas. IT also helped me understand certain EE puzzles when I got to college. I have continued the tradition of buying a new



handbook every several years.

And I have bought several older handbooks too. I am particularly proud of a 1940 handbook that is from my birth year. I like to look at the projects, but I really enjoy the ads they used to run. They were like the Sears and Roebuck "dream" books to me, except they were ham dear!

I agree with Ed, look at the new ads and see what has been updated before you invest. The book includes lots of new projects especially written for the issue.

I am a sort of radio historian. I have lots of "handbooks" published by various sources. I have the complete Ham Radio set of Handbooks. I have both QST and Ham Radio on CDs as well as most issues in printed form.

I have several issues of the CQ Surplus Conversion Handbook, along with several other surplus handbooks. Back when I got started in ham radio surplus was everywhere. Hams were converting surplus radios for daily use everywhere. There were sort of the transistor radios of the day!

Watch ebay for various books and magazines of all types. You will find books that you will never see at hamfest!

74

-----  
Date: Mon, 12 Jan 2004 10:29:29 -0800 (PST)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [165133] RE: using balloons to raise antennas  
Message-ID: <20040112182929.58553.qmail@web41012.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I'm waiting on a back-order for some 'Invisible' Toughcoat 'Silky' 26 AWG, 19 strand copper-clad steel wire from the Wireman, the plan being to try to use a mylar supermarket balloon to turn 24' of it into a vertical to use with Kixie, my KX1, on still days.

LL

-----  
Do you Yahoo!?  
Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes  
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

-----  
Date: Mon, 12 Jan 2004 13:34:28 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: QRP-L <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>  
Subject: [165134] Interesting company...  
Message-ID: <6.0.0.22.2.20040112132240.02012168@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

"nfc ceramics" lists literally dozens of different "design kits" on ebay. Some with a circuit board (crystal tester, Colpitts crystal oscillator, LM386, LM358 Op Amp) and many without. All have a BUNCH of parts appropriate (in their humble opinion [ITHO?]) to the subject. They supply the parts and an AppNote Internet address, and a PCB or not as stated in their listings. They also have SMT parts kits (10 each of 40 values of 1206-sized NPOs for example); and some leaded parts kits including 1/4W carbon film resistors (10 each of 44 values.)

I haven't done business with them, but their ebay rating is almost 2000, so I expect they're OK. I just wrote them about a 'superkit' of 100 each of the 40 values of NPOs (SMT). We'll see what that might be as a 'volume discount'!

Finally, I need some direction here. For the occasional something 'special' like this-as opposed to 'regular' "I have this [or seen this] on ebay... etc"-spots, is a URL appropriate or not?

Ed

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

-----  
"He that gives up a little liberty to gain  
temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
-----

-----  
Date: Mon, 12 Jan 2004 13:39:40 -0500 (EST)  
From: Chris Cartwright <ccart@phideaux.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165135] Re: Diode specs? (1SS98)  
Message-ID: <Pine.LNX.4.21.0401121336350.3186-1000000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks to all for confirming what I suspected. I'm on my way. Tnx

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Mon, 12 Jan 2004 13:41:02 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: QRP-L <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>  
Subject: [165136] Interesting company... P.S.  
Message-ID: <6.0.0.22.2.20040112133748.02012168@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I heard right back from the guy... he's :

Agustin Acosta  
7131 Cedar Crest Road  
Roanoke, VA 24019

and the price for 100 ea of 40 values (useful values too: 0.5pf - 430pf) of  
SMT NPO caps is only \$22.00 + \$3.50 S/H. Prompt reply... great ACCOMODATING  
price... that's hard to beat!

Ed

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

-----  
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and suppose you were a member of  
Congress... but I repeat myself."

--Mark Twain  
-----

-----  
Date: Mon, 12 Jan 2004 13:38:39 -0800  
From: "Mike Boatright" <ko4wx@mindspring.com>  
To: "Ed Tanton" <n4xy@earthlink.net>, "QRP-L" <qrp-l@Lehigh.EDU>,  
"noga" <nogaqrp@mailman.qth.net>  
Subject: [165137] RE: [NoGaQRP] Interesting company...  
Message-ID: <NFBBILMKCMIIILGKAJMBLGEGCCNAA.ko4wx@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Ed,

You didn't include a url, but I think that this is the same thing as  
www.vakits.com. I ordered about \$100 of stuff from them just before  
Christmas and it came in two days. Good stuff. I and the close friend of  
mine in the UK who I bought for as a give were very happy...

I think they are the same, because the packaging said "nf ceramics" on it...

72 de Mik,e K04WX

-----Original Message-----

From: nogaqrp-admin@mailman.qth.net  
[mailto:nogaqrp-admin@mailman.qth.net]On Behalf Of Ed Tanton  
Sent: Monday, January 12, 2004 10:34 AM  
To: QRP-L; noga  
Subject: [NoGaQRP] Interesting company...

"nfceramics" lists literally dozens of different "design kits" on ebay.  
Some with a circuit board (crystal tester, Colpitts crystal oscillator,

LM386, LM358 Op Amp) and many without. All have a BUNCH of parts appropriate (in their humble opinion [ITHO?]) to the subject. They supply the parts and an AppNote Internet address, and a PCB or not as stated in their listings. They also have SMT parts kits (10 each of 40 values of 1206-sized NPOs for example); and some leaded parts kits including 1/4W carbon film resistors (10 each of 44 values.)

I haven't done business with them, but their ebay rating is almost 2000, so I expect they're OK. I just wrote them about a 'superkit' of 100 each of the 40 values of NPOs (SMT). We'll see what that might be as a 'volume discount'!

Finally, I need some direction here. For the occasional something 'special' like this-as opposed to 'regular' "I have this [or seen this] on ebay... etc"-spots, is a URL appropriate or not?

Ed

website: <http://www.n4xy.com>

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Norton AntiVirus with AutoProtect

-----  
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--Benjamin Franklin

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and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
-----

-----  
NoGaQRP mailing list  
[NoGaQRP@mailman.qth.net](mailto:NoGaQRP@mailman.qth.net)  
<http://mailman.qth.net/mailman/listinfo/nogaqrp>  
-----

Date: Mon, 12 Jan 2004 12:49:45 -0600  
From: "Tim, N9PUZ" <n9puz@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165138] Re: Computing (was QRP Computers)

Message-ID: <2004112124945.742751@arthur>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

On Mon, 12 Jan 2004 11:26:17 -0500, Bruce Muscolino wrote:

> Who, among early computer users does not remember david Ahl and  
> Popular Computing", or Wayne Green's "Byte", or "Kilobaud", or  
> :Micro 80"? All great magazines, and all dedicated to teaching you  
> more about the workings of your computer and giving you a variety  
> of games, both simple and semi-complex. Those were the days of  
> computing, when computers were computers.

It was indeed a lot of fun to have been through those times. There's a certain amount of that spirit in the Linux groups although the hardware is still neglected somewhat. Articles in those magazines got me started programming microcontrollers. Popular 8-bitters at the time were the 6502, 6809, 8080, 8085, Z80, and the 8051. My fascination with what we now call embedded systems caused a major career change then that I never regretted.

Tim, N9PUZ  
Former member of the "Ask BYTE" research staff

-----  
Date: Mon, 12 Jan 2004 11:57:19 -0700  
From: "Paul Ermisch" <paul@ermisch.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [165139] RE: using balloons to raise antennas  
Message-ID: <NHBBIMAFPBCKANGJGAPDCEHFCPAA.paul@ermisch.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

<http://www.hard-core-dx.com/nordicdx/antenna/special/balloon.html>

I also remember one of the antenna manufacturers offering large balloons for antenna raising but cannot remember the name of the company.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of pschweit  
Sent: Sunday, January 11, 2004 10:24 PM  
To: Low Power Amateur Radio Discussion

Subject: using balloons to raise antennas

has anyone out there used a helium balloon to raise antenna elements .

what sort of balloons and antennas were used?

and

what were the weather conditions?

de K0CD

rob

-----  
Date: Mon, 12 Jan 2004 13:02:39 -0600

From: KD5NWA <KD5NWA@cbayona.com>

To: n4xy@earthlink.net,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [165140] Re: [ham] Interesting company...

Message-ID: <5.2.0.9.0.20040112125914.00a930e8@127.0.0.1>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I have purchased quite a few of their SMT parts to stock my parts bins, and I didn't have any problems with them. I purchased several of their kits on EBay and they pooled the orders together and charged me only the required shipping cost.

At 12:34 PM 1/12/2004, Ed Tanton wrote:

>"nfc ceramics" lists literally dozens of different "design kits" on ebay.  
>Some with a circuit board (crystal tester, Colpitts crystal oscillator,  
>LM386, LM358 Op Amp) and many without. All have a BUNCH of parts  
>appropriate (in their humble opinion [ITHO?]) to the subject. They supply  
>the parts and an AppNote Internet address, and a PCB or not as stated in  
>their listings. They also have SMT parts kits (10 each of 40 values of  
>1206-sized NPOs for example); and some leaded parts kits including 1/4W  
>carbon film resistors (10 each of 44 values.)

>

>I haven't done business with them, but their ebay rating is almost 2000,  
>so I expect they're OK. I just wrote them about a 'superkit' of 100 each  
>of the 40 values of NPOs (SMT). We'll see what that might be as a 'volume  
>discount'!

>

>Finally, I need some direction here. For the occasional something  
>'special' like this-as opposed to 'regular' "I have this [or seen this] on

>ebay... etc"-spots, is a URL appropriate or not?

>

>Ed

>

>website: <http://www.n4xy.com>

>

>All emails <IN> & <OUT> checked by

>Norton AntiVirus with AutoProtect

>

>-----

>"He that gives up a little liberty to gain

>temporary security will lose both and

>deserve neither".

>--Benjamin Franklin

>

>"Suppose you were an idiot ...

>and suppose you were a member of

>Congress... but I repeat myself."

>--Mark Twain

>-----

>

Cecil

KD5NWA

-----

Date: Mon, 12 Jan 2004 14:09:51 -0500

From: "AI2Q" <ai2q@adelphia.net>

To: <lmairs@direcway.com>,

"'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>

Subject: [165141] RE: Slide rules

Message-ID: <000101c3d93f\$a8ced480\$6401a8c0@Administrator>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Speaking of circular files Lee, as a teenaged ham I used to use a circular slide rule. I still have it here, along with its somewhat browned and tattered original manual, but I haven't used this critter in years. It's a K&E.

I recall racing one of my contemporaries in junior high school back in the early 1960s. Richard Tucker used a 12-in. slip stick and I used the circular Keuffel and Esser rule. We'd concoct math problems, and then race to the answer. Lots of fun---especially to me as a kid who abhorred math!



These days I use a TI-36X "solar" light-powered calculator (\$12) that lets me do things such as polar to rectangular and rectangular to polar conversions (to solve phased antenna problems), convert hex to decimal to octal (!) and back, or handle engineering units (very useful for everyday electronics calcs), etc.

Man, how times have changed.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687  
<http://users.adelphia.net/~alexmm/ai2q.htm>

.-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Lee Mairs  
Sent: Monday, January 12, 2004 12:32 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Slide rules

Steve reminded me. I had a small 5" pocket slide rule that I bought from Lafayette Radio when home for Christmas vacation one year. I don't remember whether it was a special electrical comms slide rule. I last saw it when I packed my stuff to move out here to WBGV, but I can't remember whether it made it into a packing box, or was dumped in the circular file (with all the other stuff I've needed in the past year...)

73 de Lee

KM4YY/8

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, January 12, 2004 11:22 AM  
Subject: Slide rules

> I still have the set of Picket S/R's (12" and 6") they made me buy when I  
> started collage. Still have the instruction books that came with them too!  
> (those might be more valuable than the silde rule!)

>

> But how how many of you have a Lafayette Bamboo "Electrical  
Communications"

> Slide rule? This one has special scales for dB, Inductive and capacitance  
> reactance, wave length, resonance frequency, vector calculations and of  
> course, all the normal stuff. I should dig it up and see if I can figure  
> out how to use it again :-)

>

>  
> 72,  
> Steve, KD1JV  
> "Melt Solder"  
> White Mountains of New Hampshire  
> <http://www.qsl.net/kd1jv/>

-----  
Date: Mon, 12 Jan 2004 14:33:05 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: w6toy@erols.com,  
    "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165142] Re: Computing (was QRP Computers)  
Message-ID: <3.0.6.32.20040112143305.007c6980@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>And speaking of other form factors, anybody remember the "Curta" Rallye  
>Calculator?

The current (Jan 04) issue of Si-Am has a neat article about the history of  
this first pocket calculator. (and pictures of the insides) I'd love to get  
a hold of one!

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Mon, 12 Jan 2004 14:16:35 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: JMcKee@rfmd.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [165143] Re: End fed wire antennas - How to?  
Message-ID: <4002F293.1FFDF69F@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

It might sound self serving, but I would recommend you take a look at my

article in QST called "My Antenna is a Compromise". It appeared in the first half of the year.

Along with putting forth the idea that any antenna you build will be a compromise because your installation conditions are different, I spend some time on my own end fed wire antenna. It will show you one easy way to get the antenna wire out of your shack.

My end fed is about 150 feet long. The first 30 feet and the last 20 feet are vertical sections that are used to get the antenna up to height and to tie it down. I seriously doubt they do much radiating. The "flat top" is about 50 feet up. It uses no insulators at either end. The only coax connectors are in the link between the rig and tuner. The antenna connects to the tuner with a banana plug.

You ask about the sequence of connections. They go rig, tuner, antenna. Very straightforward. The connections are kept short and sweet, but my installation is simple and located close to the window where the antenna takes off. If you have a different run, and you probably will have, you will have to devise something else.

You asked about RF grounds. While it is true that you may not need one if your antenna is one-half wavelength, you will need one if you intend to use the antenna for all band use. Do not confuse an RF ground with a DC safety ground. It will not help keep you from getting a shock, it will help your antenna radiate.

The RF ground is intended to place your rig's chassis at 0 volts RF. This is most easily done with a quarter wave wire attached to your rig. You can use quarter wave wires for each band you operate on or you can use a Ground Tuner.

The Ground Tuner is a series resonant circuit placed between your rig's chassis and a short piece of wire. They are very effective. But the wire should never be connected to a ground pipe. They won't keep you from getting a shock.

73

-----  
Date: Mon, 12 Jan 2004 14:26:58 -0500 (EST)  
From: William McFadden <wmcfadde@cs.ohiou.edu>  
To: qrp-1@Lehigh.EDU (qrp-1)  
Subject: [165144] FYBO Date & Rules?  
Message-ID: <200401121927.i0CJQxon029946@oucsace.cs.ohiou.edu>  
MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Good day.

Have the rules for this year's FYBO event been published yet? Does anyone know the date yet?

Eric

--

W. Eric McFadden WD8RIF Athens OH  
wd8rif@qsl.net  
<http://www.qsl.net/wd8rif>

-----  
Date: Mon, 12 Jan 2004 14:24:38 -0500 (EST)  
From: <ah7i@atl.org>  
To: Adam Farson <farson@shaw.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [165145] RE: SDR-1000  
Message-ID: <Pine.LNX.4.33.0401121422080.23846-1000000@localhost.localdomain>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

this is a xtal controlled tx  
Has input for external MO as well  
so may be used with xtal in oven, synth, or whatever  
source the owner desires to hook up...

-bob

On Mon, 12 Jan 2004, Adam Farson wrote:

> Hi Bob,  
>  
> <<...on SWBCB if the minimum power limits are ever  
> reduced and one obtains the proper permits...>>  
>  
> I don't really think so. ITU-R regulations require that HF broadcasting  
> transmitters be crystal-controlled or synthesiser-driven, and that the  
> master oscillator meet specified frequency-stability criteria. To my  
> knowledge, no ITU member administration will license a VFO-controlled  
> transmitter for radio services requiring crystal control.

>  
> Cheers for now, 73,  
> Adam VA7OJ/AB4OJ  
>  
> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> ah7i@atl.org  
> Sent: Monday, January 12, 2004 08:26  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: SDR-1000  
>  
>  
> If anyone has purchased one of these and decided against using it, I would  
> be interested in swap for some old tube type ham stuff. Have a real  
> pretty Johnson Viking II with original manual. There are some HiFi mods  
> for this that might interest the HiFi AM crowd. This is a general coverage  
> transmitter so will work on any HF ham frequency which might become  
> available in the future or on SWBCB if the minimum power limits are ever  
> reduced and one obtains the proper permits...  
>  
> -bob  
> ah7i  
>  
>  
>  
>

-----  
Date: Mon, 12 Jan 2004 14:58:05 -0500  
From: "Cal Cotner" <cal.jsi@verizon.net>  
To: "QRP-L" <qrp-l@Lehigh.edu>  
Subject: [165146] Re: Slide rules  
Message-ID: <000301c3d946\$658db630\$fc53fea9@Sharon>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi all,

There are many, many slide rules out there, with some 500 available on eBay at any time. There are at least four common lengths, i.e., 6", 8", 12" and 20+", and of course circular slide rules. The major manufacturers were Keuffel & Esser, Pickett & Eckel, Post and Dietzgen. The K&Es, and likely Dietzgen, used a plastic laminate over Mahogany, while Post used Bamboo as the core wood. The Pickett slide rules, except for the earliest, were completely Aluminum.

There are a couple of aspects to the "slipstick" as a calculating device that are interesting. First, they'll give you 3 digit accuracy, which is generally enough. Second, they force the user to keep track of the decimal power of the answer, e.g.  $10e2$ ,  $10e-3$ , etc. Third, they don't require, at least during daylight hours, any external power.

At least two very accomplished engineers in the company for which I worked used slide rules on a near daily basis well into the 1990s. They both felt there were advantages that the slide rule offered in the sort of calculations they each did (different departments and different disciplines) that a digital calculator, or a computer, couldn't.

As far as analog computers, one that was widely deployed was in the Missile Master system, which was meant to coordinate the fire of Nike batteries around major US cities.

Sorry for the wildly off-topic post; perhaps the low power requirement of the slide rules gives it some nodding relevance to QRP <g>

72/73

Cal K4JSI

-----  
Date: Mon, 12 Jan 2004 17:09:03 -0500  
From: w9ya <w9ya@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [165147] Re: Computing (was QRP Computers)  
Message-ID: <200401121709.03375.w9ya@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

On Monday 12 January 2004 12:35 pm, Bruce Muscolino wrote:

> Kevin,

>

> If you want a slide rule to learn on, or to learn about, I might  
> recommend any of the ten inch rules, BUT it must be in good condition  
> and come with the manufacturer's instruction book.

Hey Bruce and the gang;

Actually information on what and how to use almost any scale you encounter on a slide rule are on the internet already enough so that you will most likely NOT need a printed manual. This is certainly true for any of the standard trig and log-log rules manufactured. And most of the manuals for this stuff

is already in pdf on the internet, as are many of the training materials.

So, I wouldn't fret about a getting a manual unless it is truly something odd. And not having a manual would NOT prevent me from purchasing a stick.

Vy 73;

Bob  
w9ya

>  
> Mike has already warned you about bent aluminum. That is the kiss of  
> death for a Pickett. K&E and Post were made of bamboo. Slide rules were  
> made, mostly, by drafting equipment companies. The bamboo they used was  
> especially stable.  
>  
> In this area, Washington, DC, we have an annual "Machine Tools" Show  
> where many vendors sell new and used slide rules. I bought a new pocket  
> model Pickett there several years ago. I had never owned either a  
> Pickett or a pocket model before.  
>  
> My favorite is the K&E. I still have the one I bought new at the K&E  
> store here in Washington! Served me well!  
>  
> The reason I say to be sure it has the original book with it is almost  
> anyone can puzzle out the basic scales, but the book will be of great  
> help when trying to figure out the rest of the scales!  
>  
> 7

-----  
Date: Mon, 12 Jan 2004 17:32:42 -0500  
From: "sslyon" <sslyon@megalink.net>  
To: "qrp list" <qrp-l@lehigh.edu>  
Subject: [165148] 160m Beacon  
Message-ID: <000d01c3d95b\$fe990b80\$13c8e742@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Greetings all

I've put the beacon on 1.8123 again tonite, and hopefully each night until we get a good sampling of the propagation from terrible to great. Your observations will be appreciated -and reported when we get something meaningful.

ANTENNA: Horiz.176' c.f. at 55'. Feed >300' of HB ladderline.

TUNER: MFJ 949E

FREQ: 1.8123

RIG: KD1JV DDS rig ~ 4.2 Watts out.

73  
seab  
aa1my

Seabury & Sharon Lyon  
99 Sparrowhawk Mtn Rd  
Bethel ME, 04217 U.S.A.  
207-836-2576

Virus Protection by Norton and ZoneAlarm

-----  
Date: Mon, 12 Jan 2004 17:34:55 -0500  
From: "sslyon" <sslyon@megalink.net>  
To: "qrp list" <qrp-l@lehigh.edu>  
Subject: [165149] Balloons, kites, antennas, ...  
Message-ID: <001e01c3d95c\$4d55e7c0\$13c8e742@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

John is correct on all counts. The balloon he's referring to is the "Kiteoon" and they're used by advertisers because of their relative stability. They look like a small blimp and are not cheap to buy or inflate with He -unless you've got connections.

One can mitigate wind drag problems somewhat by rigging the antenna as one would from a kite. (See NJQRP web site for my article w/sketches.)

73  
seab  
aa1my

----- Original Message -----  
From: "John Kalotai" <n1olo@yahoo.com>



To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, January 12, 2004 2:27 AM  
Subject: Re: using balloons to raise antennas

> I have used balloons to raise antennas, usually end fed wire.  
>  
> I got ahold of some surplus weather ballons and with the help  
of my  
> local welding company I was able to launch it.  
>  
> I use the same Stafix twine I use for my kite antenna. Its  
strong  
> enough to teather the balloon and has 6 - 9 strands of  
stainless  
> steel wire woven through it.  
>  
> <http://fence-electric.com/ShopItemIG.php?item=Twine#R2W>  
>  
> The same cautions apply to balloons as they do kites. DO NOT  
fly near  
> power lines. Beware of approaching weather. Make sure you have  
a 1meg  
> resistor from the antenna to ground to bleed static off.  
>  
> Generally for a balloon to be effective as a antenna support  
the  
> weather need to be calm. If you have more than a 5 -7 mph wind  
the  
> angle of the antenna will fall away from vertical and your  
antenna  
> wire may wind up dragging on the ground.  
>  
> There are balloons specifically designed to be anntenna  
supports.  
> They have an airfoil design to help them be more stable in the  
wind.  
> I believe there was a article in 73 a few years back.  
>  
> 73  
>  
> John N10LO  
>

-----  
Date: Mon, 12 Jan 2004 17:43:33 -0500

From: "Brad Hedges" <bhedges@nc.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [165150] Interesting company...  
Message-ID: <009a01c3d95d\$82599240\$5dc63942@nc.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yeah, I did the same thing - dropped a c-note with them at Christmas! Fast shipping, for sure. It's the same company.

Brad  
K0BHC

> Ed,  
>  
> You didn't include a url, but I think that this is the same thing as  
> www.vakits.com. I ordered about \$100 of stuff from them just before  
> Christmas and it came in two days. Good stuff. I and the close friend of  
> mine in the UK who I bought for as a give were very happy...  
>  
> I think they are the same, because the packaging said "nf ceramics" on  
it...  
>  
> 72 de Mik,e K04WX  
>  
> "nfc ceramics" lists literally dozens of different "design kits" on ebay.  
> Some with a circuit board (crystal tester, Colpitts crystal oscillator,  
> LM386, LM358 Op Amp) and many without. All have a BUNCH of parts  
> appropriate (in their humble opinion [ITHO?]) to the subject. They supply  
> the parts and an AppNote Internet address, and a PCB or not as stated in  
> their listings. They also have SMT parts kits (10 each of 40 values of  
> 1206-sized NPOs for example); and some leaded parts kits including 1/4W  
> carbon film resistors (10 each of 44 values.)  
>  
>

-----  
Date: Mon, 12 Jan 2004 16:45:49 -0600 (CST)  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
To: w9ya <w9ya@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [165151] Re: Computing (was QRP Computers)  
Message-ID: <Pine.OSF.4.53.0401121642130.403025@duke.usask.ca>

MIME-version: 1.0

Content-type: TEXT/PLAIN; charset=US-ASCII

Speaking of what you can find on the internet you may want to look at

<http://www.taswegian.com/SRTP/javaslide/javaslide.html>

This is a java applet that implements a slide rule.

On Mon, 12 Jan 2004, w9ya wrote:

```
> On Monday 12 January 2004 12:35 pm, Bruce Muscolino wrote:
> > Kevin,
> >
> > If you want a slide rule to learn on, or to learn about, I might
> > recommend any of the ten inch rules, BUT it must be in good condition
> > and come with the manufacturer's instruction book.
>
> Hey Bruce and the gang;
>
> Actually information on what and how to use almost any scale you encounter on
> a slide rule are on the internet already enough so that you will most likely
> NOT need a printed manual. This is certainly true for any of the standard
> trig and log-log rules manufactured. And most of the manuals for this stuff
> is already in pdf on the internet, as are many of the training materials.
>
> So, I wouldn't fret about a getting a manual unless it is truly something odd.
> And not having a manual would NOT prevent me from purchasing a stick.
>
> Vy 73;
>
> Bob
> w9ya
>
> >
> > Mike has already warned you about bent aluminum. That is the kiss of
> > death for a Pickett. K&E and Post were made of bamboo. Slide rules were
> > made, mostly, by drafting equipment companies. The bamboo they used was
> > especially stable.
> >
> > In this area, Washington, DC, we have an annual "Machine Tools" Show
> > where many vendors sell new and used slide rules. I bought a new pocket
> > model Pickett there several years ago. I had never owned either a
> > Pickett or a pocket model before.
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```

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> > anyone can puzzle out the basic scales, but the book will be of great  
> > help when trying to figure out the rest of the scales!  
> >  
> > 7  
>  
>

Brian Buydens  
Veterinary Electronic Data Specialist  
Computing Services, University of Saskatchewan  
email: Brian.Buydens@usask.ca  
http://duke.usask.ca/~buydens  
VE5RDV

-----  
I am a proud citizen of "Soviet Canuckistan"

-----  
Date: Mon, 12 Jan 2004 15:56:58 -0700  
From: "M.M." <markem@cox.net>  
To: qrp-1@Lehigh.EDU  
Subject: [165152] Re: Computing (was QRP Computers)  
Message-ID: <6.0.0.22.0.20040112154824.02677bc0@127.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 15:09 01/12/04, w9ya wrote:

>Actually information on what and how to use almost any scale you encounter on  
>a slide rule are on the internet ...

I dunno...there's just something about using a computer to access the  
internet to get instructions on how to use a slide rule...

I still have my college Pickett 12" with the original leather case (and  
belt clip), instruction manual, and original box...

Regarding the wood/bamboo vs aluminum rules, my EE roommate once dropped  
his aluminum Pickett into one of his projects and ruined both the project

and his Pickett. He found out why a lot of EE's preferred the  
non-conductive slip-sticks.

73...        Mark        AA7TA

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End of QRP-L Digest 3163

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